



USPS

July 26, 2016

Ms. Jeanette DeBartolomeo
Maryland Department of the Environment
Oil Control Program
1800 Washington Boulevard
Baltimore, MD 21230

RE: Second Quarter 2016 Groundwater Monitoring Report
Southside Oil Facility #20025
31 Heather Lane
Perryville, Cecil County, Maryland
MDE Case No. 2006-0489-CE

Dear Ms. DeBartolomeo:

Enclosed for your review is the Second Quarter 2016 Groundwater Monitoring Report for the above referenced site.

Southside and Kleinfelder appreciate the continued guidance of the MDE in the successful completion of this project. Please feel free to contact us at (410) 850-0404 if you have questions.

Sincerely,

KLEINFELDER

A handwritten signature in blue ink, appearing to read "Paxton Wertz".

Paxton Wertz
Geologist

A handwritten signature in blue ink, appearing to read "Mark C. Steele".

Mark C. Steele
Senior Program Manager

Enclosure

cc: Ms. Devon Watts – Sunoco Inc. (ENFOS)



SECOND QUARTER 2016 GROUNDWATER MONITORING REPORT

Southside Facility #20025
31 Heather Lane
Perryville, Cecil County, Maryland

REGULATORY INFORMATION

| | |
|----------------------|--|
| Regulatory Agency: | Maryland Department of the Environment (MDE) |
| MDE Case No.: | 2006-0489-CE |
| Agency Contact: | Ms. Jeannette DeBartolomeo |
| Current Case Status: | Quarterly groundwater and potable well sampling, and reporting |
| Reporting Period: | April 1 through June 30, 2016 |
| Last Report: | First Quarter Groundwater Monitoring Report, April 19, 2016 |

GENERAL SITE INFORMATION

| | |
|-----------------------------|---|
| Southside Oil Contact: | Ms. Devon Watts |
| Consultant Contact: | Mr. Mark Steele |
| Area Property Use: | See Local Area Map (Figure 1) |
| Facility Status: | Active branded Exxon service station. Ownership and operation of the UST system was transferred from Exxon Mobil Corporation (ExxonMobil) to Southside Oil, LLC (Southside) on August 25, 2010. |
| Monitoring Wells: | MW-1 through MW-10D, MW-12 through MW-14, and BR-1 |
| Tank Field Wells: | TF-1 through TF-3 |
| Site Geology: | Clays, silts and sand |
| Groundwater Flow Direction: | Varied |

ACTIVITIES COMPLETED THIS PERIOD

June 9, 2016 – Groundwater Gauging/Sampling

| | |
|--|--|
| Wells Gauged and Sampled: | MW-2, MW-4 through MW-6, MW-10D, MW-12, MW-13, MW-14, BR-1, TF-1, and TF-2 |
| Wells Gauged: | MW-1, MW-3, MW-7 through MW-9, and TF-3 |
| Liquid Phase Hydrocarbon: | None detected |
| Min./Max. Depth to Water (Monitoring Wells): | 19.73 feet (MW-5) / 36.63 feet (MW-13) |
| Min./Max. Depth to Water (Tank Field): | 1.12 feet (TF-2) / dry (TF-3) |
| Hydraulic Gradient: | 0.064 feet / feet between MW-6 and MW-14 |
| Groundwater Flow Direction: | Southeast |

Groundwater samples were collected from the monitoring well and tank field well network on June 9, 2016 per the MDE approved sampling schedule. The samples were submitted to Lancaster Laboratories for analysis of full list volatile organic compounds (VOCs), ethanol and fuel oxygenates using Environmental Protection Agency (EPA) Method 8260B and total petroleum hydrocarbon – diesel range organics (TPH-DRO) using EPA Method 8015B. Monitoring and tank field well gauging data and groundwater analytical data are summarized in **Table 1** and depicted on **Figure 2**. The Lancaster Laboratories Analysis Report is included within **Appendix A**.

June 9, 2016– Potable Well Sampling

Per the MDE's Site Status Letter dated July 30, 2013, the potable well at 1836 Perryville Road was sampled on June 9, 2016. The potable water sample was submitted under chain of custody protocol to Lancaster Laboratories for analysis of full list VOCs and fuel oxygenates using EPA Method 524.2. A local area map showing the locations of potable wells is included as **Figure 1**. The results of the potable well sampling are summarized in **Table 2**. The Lancaster Laboratories Analysis Reports for potable well sampling activities are included as **Appendix B**.

Methyl tertiary butyl ether (MTBE) was detected at concentrations of 2.5 micrograms per liter ($\mu\text{g/L}$) in the 1836 Perryville Road potable well sample. The concentration of MTBE in the potable well samples from 1836 Perryville Road have remained below the MDE trigger level of 10 $\mu\text{g/L}$ since sampling was initiated in April 2011.

The property owner of 1825 Perryville Road did not respond to Kleinfelder requests to sample the point of entry treatment (POET) system at the property; therefore, water samples were not collected from the property. Stable to decreasing MTBE trends are observed in the potable well and the MTBE concentrations in the samples have been below the MDE action level of 20 $\mu\text{g/L}$ since March 2012, and equal to or below the MDE trigger level of 10 $\mu\text{g/L}$ since March 2015.

ACTIVITIES PLANNED FOR NEXT PERIOD (THIRD QUARTER 2016)

Activities planned for the Third Quarter 2016 include one round of groundwater gauging and sampling of select monitoring wells and tank field wells, and sampling of the potable wells at 1825 Perryville Road and 1836 Perryville Road.

LIMITATIONS

This work was performed in a manner consistent with that level of care and skill ordinarily exercised by other members of Kleinfelder's profession practicing in the same locality, under similar conditions and at the date the services are provided. Our conclusions, opinions and recommendations are based on a limited number of observations and data. It is possible that conditions could vary between or beyond the data evaluated. Kleinfelder makes no other representation, guarantee or warranty, express or implied, regarding the services, communication (oral or written), report, opinion, or instrument of service provided.

FIGURES

- 1 Local Area Map with Potable Well Sample Locations
- 2 Hydrocarbon Distribution/Groundwater Contour Map (June 9, 2016)

TABLES

- 1 Groundwater Monitoring & Analytical Data
- 2 Potable Well Sampling Analytical Data

APPENDICES

- A Lancaster Laboratories Analysis Report: Monitoring Wells
(June 9, 2016)
- B Lancaster Laboratories Analysis Report: Potable Well
(June 9, 2016)

Sincerely,

KLEINFELDER

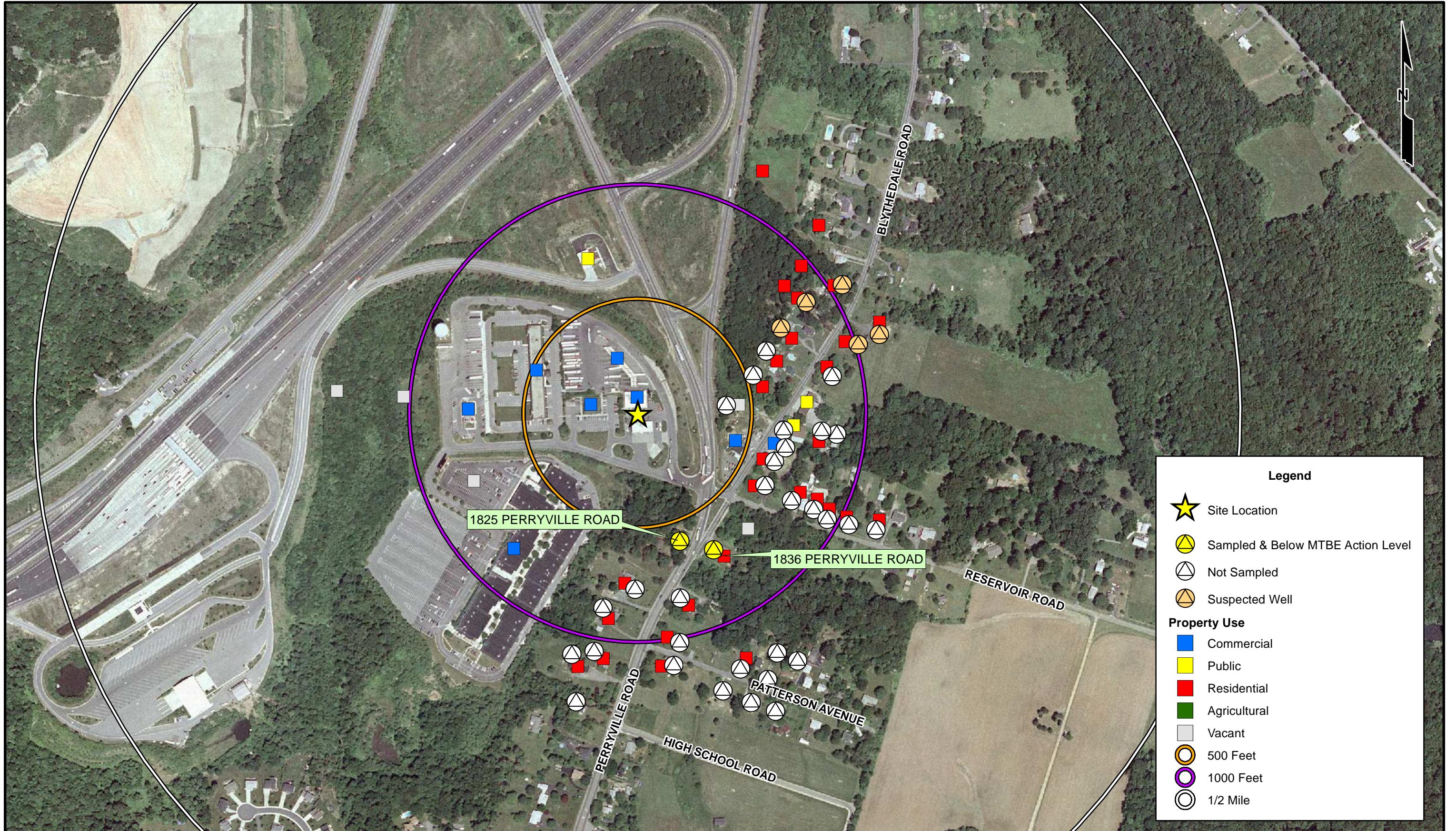


Paxton Wertz
Geologist



Mark Steele
Senior Program Manager

FIGURES



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400 200 0 400 Feet

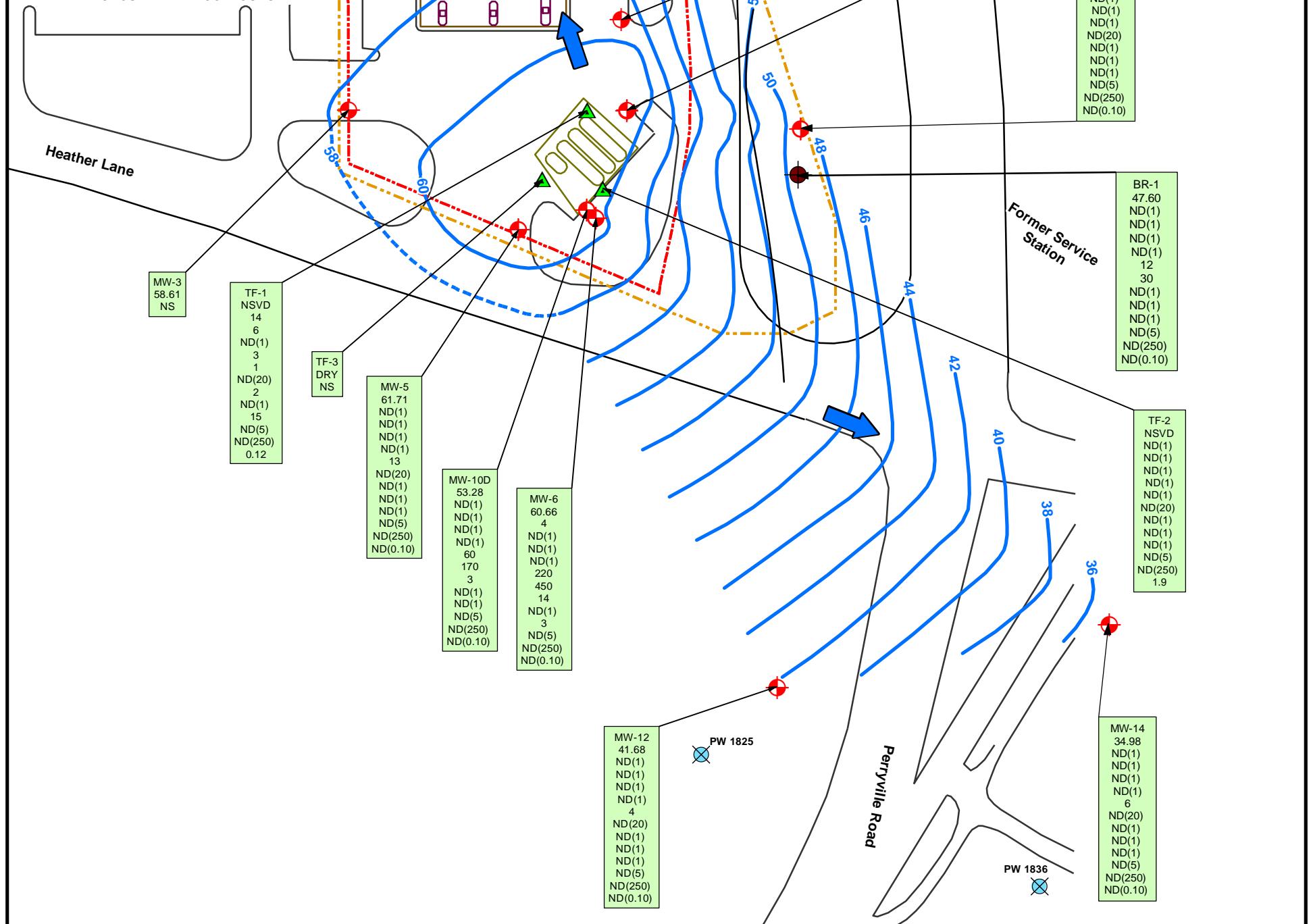
Legend

- Monitoring Well
- Bedrock Monitoring Well
- ▲ Tank Field Well
- ✖ Potable Well
- Southside Area
- Property Boundary
- Groundwater Contours (Dashed Where Inferred)
- ← Apparent Groundwater Flow Direction
- Contour Interval = 2.0 feet

| Well ID | Groundwater Elevation (ft.) |
|--|-----------------------------|
| Benzene ($\mu\text{g/L}$) | |
| Toluene ($\mu\text{g/L}$) | |
| Ethybenzene ($\mu\text{g/L}$) | |
| Total Xylenes ($\mu\text{g/L}$) | |
| Methyl Tertiary Butyl Ether (MTBE) ($\mu\text{g/L}$) | |
| Tert Butyl Alcohol (TBA) ($\mu\text{g/L}$) | |
| Tert Amyl Methyl Ether (TAME) ($\mu\text{g/L}$) | |
| Ethyl Tert Butyl Ether (ETBE) ($\mu\text{g/L}$) | |
| Di-Isopropyl Ether (DIPE) ($\mu\text{g/L}$) | |
| Naphthalene ($\mu\text{g/L}$) | |
| Ethanol ($\mu\text{g/L}$) | |
| Total Petroleum Hydrocarbon-Diesel Range Organics (TPH-DRO) (mg/L) | |

ND = Not Detected (Reporting Limit)
 NSVD = Not Surveyed to Vertical Datum
 $\mu\text{g/L}$ = Micrograms per Liter
 mg/L = Milligrams per Liter
 NS = Not Sampled

NOTE:
 1. MW- 10D AND BR-1 WERE NOT USED TO DETERMINE GROUNDWATER CONTOURS.



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PROJECT NO. 113847
 DRAWN: 7/15/16
 DRAWN BY: JR
 CHECKED BY: EM
 FILE NAME: 20025 HD MAP.mxd

**HYDROCARBON DISTRIBUTION/
GROUNDWATER CONTOUR MAP**
JUNE 9, 2016

SOUTHSIDE FACILITY # 20025
31 HEATHER LANE
PERRYVILLE, CECIL COUNTY, MARYLAND

FIGURE
2

TABLES

Table 1
Groundwater Monitoring & Analytical Data

Southside Facility #20025

31 Heather Lane

Perryville, Maryland

August 15, 2005 through June 9, 2016

| Sample ID | Date | Gauging Data | | | | | Analytical Data | | | | | | | | | | | | Comments | |
|------------------------|------------|--------------------------------|-----------------------|------------------------------|-------------------------------|-------------------------------|-----------------|----------------|----------------------|----------------------|-------------|------------|-------------|-------------|-------------|--------------------|----------------|----------------|----------------|---|
| | | Top of Casing Elevation (feet) | Depth to Water (feet) | Depth to Hydro-carbon (feet) | Hydro-carbon Thickness (feet) | Corrected GW Elevation (feet) | Benzene (µg/L) | Toluene (µg/L) | Ethyl-benzene (µg/L) | Total Xylenes (µg/L) | MTBE (µg/L) | TBA (µg/L) | TAME (µg/L) | ETBE (µg/L) | DIPE (µg/L) | Naphthalene (µg/L) | TPH-DRO (mg/L) | TPH-GRO (mg/L) | Ethanol (µg/L) | |
| BR-1 | 9/18/2013 | 83.23 | 36.92 | ND | ND | 46.31 | ND(5) | ND(5) | ND(5) | ND(5) | 59 | 120 | ND(5) | ND(5) | ND(5) | ND(5) | 0.64 | 0.064 | ND(250) | |
| | 12/12/2013 | 83.23 | 36.31 | ND | ND | 46.92 | ND(5) | ND(5) | ND(5) | ND(5) | ND(5) | ND(80) | ND(5) | ND(5) | ND(5) | ND(5) | ND(0.10) | ND(0.050) | ND(250) | |
| | 3/20/2014 | 83.23 | 35.77 | ND | ND | 47.46 | ND(5) | ND(5) | ND(5) | ND(5) | ND(5) | ND(80) | ND(5) | ND(5) | ND(5) | ND(5) | ND(0.10) | ND(0.050) | ND(250) | |
| | 6/30/2014 | 83.23 | 35.41 | ND | ND | 47.82 | ND(1) | ND(1) | ND(1) | ND(1) | ND(1) | ND(20) | ND(1) | ND(1) | ND(1) | ND(5) | ND(0.10) | ND(0.050) | ND(250) | |
| | 9/22/2014 | 83.23 | 35.69 | ND | ND | 47.54 | 1 | ND(1) | ND(1) | ND(1) | 230 | 660 | 11 | ND(1) | 2 | ND(5) | ND(0.10) | NA | ND(250) | * |
| | 10/15/2014 | 83.23 | 35.79 | ND | ND | 47.44 | ND(1) | ND(1) | ND(1) | ND(1) | 4 | ND(20) | ND(1) | ND(1) | ND(1) | ND(5) | NA | NA | NA | |
| | 12/8/2014 | 83.23 | 35.90 | ND | ND | 47.33 | ND(1) | ND(1) | ND(1) | ND(1) | 10 | 24 | ND(1) | ND(1) | ND(1) | ND(5) | ND(0.10) | NA | ND(250) | |
| | 3/24/2015 | 83.23 | 35.95 | ND | ND | 47.28 | ND(1) | ND(1) | ND(1) | ND(1) | ND(1) | ND(20) | ND(1) | ND(1) | ND(1) | ND(5) | ND(0.10) | NA | ND(250) | |
| | 6/24/2015 | 83.23 | 35.71 | ND | ND | 47.52 | ND(1) | ND(1) | ND(1) | ND(1) | ND(1) | ND(20) | ND(1) | ND(1) | ND(1) | ND(5) | ND(0.10) | NA | ND(250) | |
| | 8/31/2015 | 83.23 | 35.55 | ND | ND | 47.68 | ND(1) | ND(1) | ND(1) | ND(1) | ND(1) | ND(20) | ND(1) | ND(1) | ND(1) | ND(5) | ND(0.10) | NA | ND(250) | |
| | 12/21/2015 | 83.23 | 35.82 | ND | ND | 47.41 | ND(1) | ND(1) | ND(1) | ND(1) | ND(1) | ND(20) | ND(1) | ND(1) | ND(1) | ND(5) | ND(0.10) | NA | ND(250) | |
| | 3/8/2016 | 83.23 | 35.45 | ND | ND | 47.78 | ND(1) | ND(1) | ND(1) | ND(1) | ND(1) | ND(20) | ND(1) | ND(1) | ND(1) | ND(5) | ND(0.10) | NA | ND(250) | |
| | 6/9/2016 | 83.23 | 35.63 | ND | ND | 47.60 | ND(1) | ND(1) | ND(1) | ND(1) | 12 | 30 | ND(1) | ND(1) | ND(1) | ND(5) | ND(0.10) | NA | ND(250) | |
| Mann-Kendall Statistic | | | | | | | 0 | 0 | 0 | 0 | -2 | 3 | 0 | 0 | 0 | 0 | 0 | N/A | 0 | |

Table 1 (Continued)
Groundwater Monitoring & Analytical Data
 Southside Facility #20025
 31 Heather Lane
 Perryville, Maryland
 August 15, 2005 through June 9, 2016

| Sample ID | Date | Gauging Data | | | | | Analytical Data | | | | | | | | | | | | Comments |
|-------------------------------|------------|--------------------------------|-----------------------|------------------------------|-------------------------------|-------------------------------|-----------------|----------------|----------------------|----------------------|-------------|------------|-------------|-------------|-------------|--------------------|----------------|----------------|----------------|
| | | Top of Casing Elevation (feet) | Depth to Water (feet) | Depth to Hydro-carbon (feet) | Hydro-carbon Thickness (feet) | Corrected GW Elevation (feet) | Benzene (µg/L) | Toluene (µg/L) | Ethyl-benzene (µg/L) | Total Xylenes (µg/L) | MTBE (µg/L) | TBA (µg/L) | TAME (µg/L) | ETBE (µg/L) | DIPE (µg/L) | Naphthalene (µg/L) | TPH-DRO (mg/L) | TPH-GRO (mg/L) | Ethanol (µg/L) |
| MW-1 | 3/24/2015 | 89.87 | 32.46 | ND | ND | 57.41 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| | 6/24/2015 | 89.87 | 32.27 | ND | ND | 57.60 | ND(1) | ND(1) | ND(1) | ND(1) | ND(1) | ND(20) | ND(1) | ND(1) | ND(1) | ND(5) | ND(0.10) | NA | ND(250) |
| | 8/31/2015 | 89.87 | 32.22 | ND | ND | 57.65 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| | 12/21/2015 | 89.87 | 32.69 | ND | ND | 57.18 | ND(1) | ND(1) | ND(1) | ND(1) | ND(1) | ND(20) | ND(1) | ND(1) | ND(1) | ND(5) | ND(0.10) | NA | ND(250) |
| | 3/8/2016 | 89.87 | 32.39 | ND | ND | 57.48 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| | 6/9/2016 | 89.87 | 32.43 | ND | ND | 57.44 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| Mann-Kendall Statistic | | | | | | | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |

Table 1 (Continued)
Groundwater Monitoring & Analytical Data

Southside Facility #20025

31 Heather Lane

Perryville, Maryland

August 15, 2005 through June 9, 2016

| Sample ID | Date | Gauging Data | | | | | Analytical Data | | | | | | | | | | | | Comments | |
|-------------------------------|------------|--------------------------------|-----------------------|------------------------------|-------------------------------|-------------------------------|-----------------|----------------|----------------------|----------------------|-------------|------------|-------------|-------------|-------------|--------------------|----------------|----------------|----------------|--|
| | | Top of Casing Elevation (feet) | Depth to Water (feet) | Depth to Hydro-carbon (feet) | Hydro-carbon Thickness (feet) | Corrected GW Elevation (feet) | Benzene (µg/L) | Toluene (µg/L) | Ethyl-benzene (µg/L) | Total Xylenes (µg/L) | MTBE (µg/L) | TBA (µg/L) | TAME (µg/L) | ETBE (µg/L) | DIPE (µg/L) | Naphthalene (µg/L) | TPH-DRO (mg/L) | TPH-GRO (mg/L) | Ethanol (µg/L) | |
| MW-2 | 6/24/2015 | 86.17 | 26.70 | ND | ND | 59.47 | ND(1) | ND(1) | ND(1) | ND(1) | 10 | ND(20) | ND(1) | ND(1) | ND(1) | ND(5) | ND(0.10) | NA | ND(250) | |
| | 8/31/2015 | 86.17 | 26.85 | ND | ND | 59.32 | ND(1) | ND(1) | ND(1) | ND(1) | 6 | ND(20) | ND(1) | ND(1) | ND(1) | ND(5) | 2.5 | NA | ND(250) | |
| | 12/21/2015 | 86.17 | 26.72 | ND | ND | 59.45 | ND(1) | ND(1) | ND(1) | ND(1) | 6 | ND(20) | ND(1) | ND(1) | ND(1) | ND(5) | 0.95 | NA | ND(250) | |
| | 3/8/2016 | 86.17 | 26.81 | ND | ND | 59.36 | ND(1) | ND(1) | ND(1) | ND(1) | 7 | ND(20) | ND(1) | ND(1) | ND(1) | ND(5) | 0.53 | NA | ND(250) | |
| | 6/9/2016 | 86.17 | 26.79 | ND | ND | 59.38 | ND(1) | ND(1) | ND(1) | ND(1) | 6 | ND(20) | ND(1) | ND(1) | ND(1) | ND(5) | 0.95 | NA | ND(250) | |
| Mann-Kendall Statistic | | | | | | | 0 | 0 | 0 | 0 | -12 | 0 | 0 | 0 | 0 | 0 | 10 | N/A | 0 | |

Table 1 (Continued)
Groundwater Monitoring & Analytical Data

Southside Facility #20025

31 Heather Lane

Perryville, Maryland

August 15, 2005 through June 9, 2016

| Sample ID | Date | Gauging Data | | | | | Analytical Data | | | | | | | | | | | | Comments | |
|-------------------------------|------------|--------------------------------|-----------------------|------------------------------|-------------------------------|-------------------------------|-----------------|----------------|----------------------|----------------------|-------------|------------|-------------|-------------|-------------|--------------------|----------------|----------------|----------------|--|
| | | Top of Casing Elevation (feet) | Depth to Water (feet) | Depth to Hydro-carbon (feet) | Hydro-carbon Thickness (feet) | Corrected GW Elevation (feet) | Benzene (µg/L) | Toluene (µg/L) | Ethyl-benzene (µg/L) | Total Xylenes (µg/L) | MTBE (µg/L) | TBA (µg/L) | TAME (µg/L) | ETBE (µg/L) | DIPE (µg/L) | Naphthalene (µg/L) | TPH-DRO (mg/L) | TPH-GRO (mg/L) | Ethanol (µg/L) | |
| MW-3 | 6/24/2015 | 84.83 | 24.90 | ND | ND | 59.93 | ND(1) | ND(1) | ND(1) | ND(1) | ND(1) | ND(20) | ND(1) | ND(1) | ND(1) | ND(5) | ND(0.10) | NA | ND(250) | |
| | 8/31/2015 | 84.83 | 25.44 | ND | ND | 59.39 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | |
| | 12/21/2015 | 84.83 | 26.97 | ND | ND | 57.86 | ND(1) | ND(1) | ND(1) | ND(1) | ND(1) | ND(20) | ND(1) | ND(1) | ND(1) | ND(5) | ND(0.10) | NA | ND(250) | |
| | 3/8/2016 | 84.83 | 26.17 | ND | ND | 58.66 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | |
| | 6/9/2016 | 84.83 | 26.22 | ND | ND | 58.61 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | |
| Mann-Kendall Statistic | | | | | | | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | |

Table 1 (Continued)
Groundwater Monitoring & Analytical Data

Southside Facility #20025

31 Heather Lane

Perryville, Maryland

August 15, 2005 through June 9, 2016

| Sample ID | Date | Gauging Data | | | | | Analytical Data | | | | | | | | | | | | Comments | |
|------------------------|----------|--------------------------------|-----------------------|------------------------------|-------------------------------|-------------------------------|-----------------|----------------|----------------------|----------------------|-------------|------------|-------------|-------------|-------------|--------------------|----------------|----------------|----------------|--|
| | | Top of Casing Elevation (feet) | Depth to Water (feet) | Depth to Hydro-carbon (feet) | Hydro-carbon Thickness (feet) | Corrected GW Elevation (feet) | Benzene (µg/L) | Toluene (µg/L) | Ethyl-benzene (µg/L) | Total Xylenes (µg/L) | MTBE (µg/L) | TBA (µg/L) | TAME (µg/L) | ETBE (µg/L) | DIPE (µg/L) | Naphthalene (µg/L) | TPH-DRO (mg/L) | TPH-GRO (mg/L) | Ethanol (µg/L) | |
| MW-4 | 6/9/2016 | 84.65 | 23.05 | ND | ND | 61.60 | 8 | ND(1) | 3 | 5 | 220 | 760 | 10 | ND(1) | 4 | ND(5) | ND(0.10) | NA | ND(250) | |
| Mann-Kendall Statistic | | | | | | | -11 | 0 | -14 | 5 | -8 | -3 | -4 | -12 | -4 | 0 | -3 | N/A | 0 | |

Table 1 (Continued)
Groundwater Monitoring & Analytical Data

Southside Facility #20025

31 Heather Lane

Perryville, Maryland

August 15, 2005 through June 9, 2016

| Sample ID | Date | Gauging Data | | | | | Analytical Data | | | | | | | | | | | | Comments | |
|------------------------|----------|--------------------------------|-----------------------|------------------------------|-------------------------------|-------------------------------|-----------------|----------------|----------------------|----------------------|-------------|------------|-------------|-------------|-------------|--------------------|----------------|----------------|----------------|--|
| | | Top of Casing Elevation (feet) | Depth to Water (feet) | Depth to Hydro-carbon (feet) | Hydro-carbon Thickness (feet) | Corrected GW Elevation (feet) | Benzene (µg/L) | Toluene (µg/L) | Ethyl-benzene (µg/L) | Total Xylenes (µg/L) | MTBE (µg/L) | TBA (µg/L) | TAME (µg/L) | ETBE (µg/L) | DIPE (µg/L) | Naphthalene (µg/L) | TPH-DRO (mg/L) | TPH-GRO (mg/L) | Ethanol (µg/L) | |
| MW-5 | 6/9/2016 | 80.81 | 19.10 | ND | ND | 61.71 | ND(1) | ND(1) | ND(1) | ND(1) | 13 | ND(20) | ND(1) | ND(1) | ND(1) | ND(5) | ND(0.10) | NA | ND(250) | |
| Mann-Kendall Statistic | | | | | | | 0 | 0 | 0 | 0 | 5 | -3 | 0 | 0 | 0 | 0 | 0 | N/A | 0 | |

Table 1 (Continued)
Groundwater Monitoring & Analytical Data

Southside Facility #20025

31 Heather Lane

Perryville, Maryland

August 15, 2005 through June 9, 2016

| Sample ID | Date | Gauging Data | | | | | Analytical Data | | | | | | | | | | | | Comments | |
|------------------------|------------|--------------------------------|-----------------------|------------------------------|-------------------------------|-------------------------------|-----------------|----------------|----------------------|----------------------|-------------|------------|-------------|-------------|-------------|--------------------|----------------|----------------|----------------|---|
| | | Top of Casing Elevation (feet) | Depth to Water (feet) | Depth to Hydro-carbon (feet) | Hydro-carbon Thickness (feet) | Corrected GW Elevation (feet) | Benzene (µg/L) | Toluene (µg/L) | Ethyl-benzene (µg/L) | Total Xylenes (µg/L) | MTBE (µg/L) | TBA (µg/L) | TAME (µg/L) | ETBE (µg/L) | DIPE (µg/L) | Naphthalene (µg/L) | TPH-DRO (mg/L) | TPH-GRO (mg/L) | Ethanol (µg/L) | |
| MW-13 | 4/5/2013 | 85.54 | 37.45 | ND | ND | 48.09 | ND(5) | ND(5) | ND(5) | ND(5) | ND(5) | ND(80) | ND(5) | ND(5) | ND(5) | ND(5) | NA | NA | ND(250) | |
| | 6/21/2013 | 85.54 | 36.88 | ND | ND | 48.66 | ND(5) | ND(5) | ND(5) | ND(5) | ND(5) | ND(80) | ND(5) | ND(5) | ND(5) | ND(5) | NA | NA | ND(250) | |
| | 9/18/2013 | 85.54 | 36.56 | ND | ND | 48.98 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | |
| | 12/12/2013 | 85.54 | 36.83 | ND | ND | 48.71 | ND(5) | ND(5) | ND(5) | ND(5) | ND(5) | ND(80) | ND(5) | ND(5) | ND(5) | ND(5) | ND(0.10) | ND(0.050) | ND(250) | |
| | 3/20/2014 | 85.54 | 36.36 | ND | ND | 49.18 | ND(5) | ND(5) | ND(5) | ND(5) | ND(5) | ND(80) | ND(5) | ND(5) | ND(5) | ND(5) | ND(0.10) | ND(0.050) | ND(250) | |
| | 6/30/2014 | 85.54 | 36.24 | ND | ND | 49.30 | ND(1) | ND(1) | ND(1) | ND(1) | ND(1) | ND(20) | ND(1) | ND(1) | ND(1) | ND(5) | ND(0.10) | ND(0.050) | ND(250) | |
| | 9/22/2014 | 85.54 | 36.51 | ND | ND | 49.03 | 1 | ND(1) | ND(1) | ND(1) | 180 | 520 | 9 | ND(1) | 2 | ND(5) | ND(0.10) | NA | ND(250) | * |
| | 10/15/2014 | 85.54 | 36.51 | ND | ND | 49.03 | ND(1) | ND(1) | ND(1) | ND(1) | ND(1) | ND(20) | ND(1) | ND(1) | ND(1) | ND(5) | NA | NA | NA | |
| | 12/8/2014 | 85.54 | 36.85 | ND | ND | 48.69 | ND(1) | ND(1) | ND(1) | ND(1) | ND(1) | ND(20) | ND(1) | ND(1) | ND(1) | ND(5) | ND(0.10) | NA | ND(250) | |
| | 3/24/2015 | 85.54 | 36.98 | ND | ND | 48.56 | ND(1) | ND(1) | ND(1) | ND(1) | ND(1) | ND(20) | ND(1) | ND(1) | ND(1) | ND(5) | ND(0.10) | NA | 430 | |
| | 6/24/2015 | 85.54 | 36.78 | ND | ND | 48.76 | ND(1) | ND(1) | ND(1) | ND(1) | ND(1) | ND(20) | ND(1) | ND(1) | ND(1) | ND(5) | 0.34 | NA | ND(250) | |
| | 8/31/2015 | 85.54 | 36.56 | ND | ND | 48.98 | ND(1) | ND(1) | ND(1) | ND(1) | ND(1) | ND(20) | ND(1) | ND(1) | ND(1) | ND(5) | ND(0.10) | NA | ND(250) | |
| | 12/21/2015 | 85.54 | 36.96 | ND | ND | 48.58 | ND(5) | ND(5) | ND(5) | ND(5) | ND(5) | ND(100) | ND(5) | ND(5) | ND(5) | ND(25) | ND(0.10) | NA | ND(1300) | |
| | 3/8/2016 | 85.54 | 36.63 | ND | ND | 48.91 | ND(1) | ND(1) | ND(1) | ND(1) | ND(1) | ND(20) | ND(1) | ND(1) | ND(1) | ND(5) | ND(0.10) | NA | ND(250) | |
| | 6/9/2016 | 85.54 | 36.57 | ND | ND | 48.97 | ND(1) | ND(1) | ND(1) | ND(1) | ND(1) | ND(20) | ND(1) | ND(1) | ND(1) | ND(5) | ND(0.10) | NA | ND(250) | |
| Mann-Kendall Statistic | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | -2 | N/A | -4 | |

Table 1 (Continued)
Groundwater Monitoring & Analytical Data

Southside Facility #20025

31 Heather Lane

Perryville, Maryland

August 15, 2005 through June 9, 2016

| Sample ID | Date | Gauging Data | | | | | Analytical Data | | | | | | | | | | | | | Comments | |
|------------------------|------------|--------------------------------|-----------------------|------------------------------|-------------------------------|-------------------------------|-----------------|----------------|----------------------|----------------------|-------------|------------|-------------|-------------|--------------|--------------------|----------------|----------------|----------------|----------|--|
| | | Top of Casing Elevation (feet) | Depth to Water (feet) | Depth to Hydro-carbon (feet) | Hydro-carbon Thickness (feet) | Corrected GW Elevation (feet) | Benzene (µg/L) | Toluene (µg/L) | Ethyl-benzene (µg/L) | Total Xylenes (µg/L) | MTBE (µg/L) | TBA (µg/L) | TAME (µg/L) | ETBE (µg/L) | DIPPE (µg/L) | Naphthalene (µg/L) | TPH-DRO (mg/L) | TPH-GRO (mg/L) | Ethanol (µg/L) | | |
| MW-14 | 4/5/2013 | 65.09 | 31.03 | ND | ND | 34.06 | ND(5) | ND(5) | ND(5) | ND(5) | 15 | ND(80) | ND(5) | ND(5) | ND(5) | ND(5) | ND(0.099) | ND(0.050) | ND(250) | | |
| | 6/21/2013 | 65.09 | 30.59 | ND | ND | 34.50 | ND(5) | ND(5) | ND(5) | ND(5) | 12 | ND(80) | ND(5) | ND(5) | ND(5) | ND(5) | ND(5) | 0.12 | ND(0.050) | ND(250) | |
| | 9/18/2013 | 65.09 | 30.31 | ND | ND | 34.78 | ND(5) | ND(5) | ND(5) | ND(5) | 16 | ND(80) | ND(5) | ND(5) | ND(5) | ND(5) | ND(0.097) | ND(0.050) | ND(250) | | |
| | 12/12/2013 | 65.09 | 30.62 | ND | ND | 34.47 | ND(5) | ND(5) | ND(5) | ND(5) | 14 | ND(80) | ND(5) | ND(5) | ND(5) | ND(5) | ND(5) | ND(0.10) | ND(0.050) | ND(250) | |
| | 3/20/2014 | 65.09 | 29.82 | ND | ND | 35.27 | ND(5) | ND(5) | ND(5) | ND(5) | 16 | ND(80) | ND(5) | ND(5) | ND(5) | ND(5) | ND(5) | ND(0.10) | ND(0.050) | ND(250) | |
| | 6/30/2014 | 65.09 | 29.91 | ND | ND | 35.18 | ND(1) | ND(1) | ND(1) | ND(1) | 12 | ND(20) | ND(1) | ND(1) | ND(1) | ND(5) | ND(0.10) | ND(0.050) | ND(250) | | |
| | 9/22/2014 | 65.09 | 30.65 | ND | ND | 34.44 | ND(1) | ND(1) | ND(1) | ND(1) | 12 | ND(20) | ND(1) | ND(1) | ND(1) | ND(5) | ND(0.10) | NA | ND(250) | | |
| | 12/8/2014 | 65.09 | 32.44 | ND | ND | 32.65 | ND(1) | ND(1) | ND(1) | ND(1) | 5 | ND(20) | ND(1) | ND(1) | ND(1) | ND(5) | ND(0.10) | NA | ND(250) | | |
| | 3/24/2015 | 65.09 | 30.27 | ND | ND | 34.82 | ND(1) | ND(1) | ND(1) | ND(1) | 9 | ND(20) | ND(1) | ND(1) | ND(1) | ND(5) | ND(0.10) | NA | ND(250) | | |
| | 6/24/2015 | 65.09 | 30.24 | ND | ND | 34.85 | ND(1) | ND(1) | ND(1) | ND(1) | 9 | ND(20) | ND(1) | ND(1) | ND(1) | ND(5) | ND(0.10) | NA | ND(250) | | |
| | 8/31/2015 | 65.09 | 30.70 | ND | ND | 34.39 | ND(1) | ND(1) | ND(1) | ND(1) | 8 | ND(20) | ND(1) | ND(1) | ND(1) | ND(5) | ND(0.10) | NA | ND(250) | | |
| | 12/21/2015 | 65.09 | 30.67 | ND | ND | 34.42 | ND(1) | ND(1) | ND(1) | ND(1) | 7 | ND(20) | ND(1) | ND(1) | ND(1) | ND(5) | ND(0.10) | NA | ND(250) | | |
| | 3/8/2016 | 65.09 | 29.86 | ND | ND | 35.23 | ND(1) | ND(1) | ND(1) | ND(1) | 8 | ND(20) | ND(1) | ND(1) | ND(1) | ND(5) | ND(0.10) | NA | ND(250) | | |
| | 6/9/2016 | 65.09 | 30.11 | ND | ND | 34.98 | ND(1) | ND(1) | ND(1) | ND(1) | 6 | ND(20) | ND(1) | ND(1) | ND(1) | ND(5) | ND(0.10) | NA | ND(250) | | |
| Mann-Kendall Statistic | | | | | | | | 0 | 0 | 0 | 0 | -12 | 0 | 0 | 0 | 0 | 0 | N/A | 0 | | |

Table 1 (Continued)
Groundwater Monitoring & Analytical Data

Southside Facility #20025

31 Heather Lane

Perryville, Maryland

August 15, 2005 through June 9, 2016

| Sample ID | Date | Gauging Data | | | | | Analytical Data | | | | | | | | | | | | Comments | |
|------------------------|------------|--------------------------------|-----------------------|------------------------------|-------------------------------|-------------------------------|-----------------|----------------|----------------------|----------------------|-------------|------------|-------------|-------------|-------------|--------------------|----------------|----------------|----------------|--|
| | | Top of Casing Elevation (feet) | Depth to Water (feet) | Depth to Hydro-carbon (feet) | Hydro-carbon Thickness (feet) | Corrected GW Elevation (feet) | Benzene (µg/L) | Toluene (µg/L) | Ethyl-benzene (µg/L) | Total Xylenes (µg/L) | MTBE (µg/L) | TBA (µg/L) | TAME (µg/L) | ETBE (µg/L) | DIPE (µg/L) | Naphthalene (µg/L) | TPH-DRO (mg/L) | TPH-GRO (mg/L) | Ethanol (µg/L) | |
| TF-1 | 8/31/2015 | NSVD | 2.55 | ND | ND | NSVD | ND(1) | ND(1) | ND(1) | ND(1) | ND(1) | ND(20) | ND(1) | ND(1) | ND(1) | ND(5) | ND(0.10) | NA | ND(250) | |
| | 12/21/2015 | NSVD | 2.31 | ND | ND | NSVD | ND(1) | ND(1) | ND(1) | ND(1) | ND(1) | ND(20) | ND(1) | ND(1) | ND(1) | ND(5) | ND(0.10) | NA | ND(250) | |
| | 3/8/2016 | NSVD | 2.35 | ND | ND | NSVD | ND(1) | ND(1) | ND(1) | ND(1) | ND(1) | ND(20) | ND(1) | ND(1) | ND(1) | ND(5) | ND(0.10) | NA | ND(250) | |
| | 6/9/2016 | NSVD | 2.21 | ND | ND | NSVD | 14 | 6 | ND(1) | 3 | 1 | ND(20) | 2 | ND(1) | 15 | ND(5) | 0.12 | NA | ND(250) | |
| Mann-Kendall Statistic | | | | | | | 7 | 7 | 0 | 7 | -8 | -7 | -1 | 0 | 1 | 0 | 5 | N/A | 0 | |

Table 1 (Continued)
Groundwater Monitoring & Analytical Data

Southside Facility #20025

31 Heather Lane

Perryville, Maryland

August 15, 2005 through June 9, 2016

| Sample ID | Date | Gauging Data | | | | | Analytical Data | | | | | | | | | | | | Comments | |
|------------------------|------------|--------------------------------|-----------------------|------------------------------|-------------------------------|-------------------------------|-----------------|----------------|----------------------|----------------------|-------------|------------|-------------|-------------|-------------|--------------------|----------------|----------------|----------------|--|
| | | Top of Casing Elevation (feet) | Depth to Water (feet) | Depth to Hydro-carbon (feet) | Hydro-carbon Thickness (feet) | Corrected GW Elevation (feet) | Benzene (µg/L) | Toluene (µg/L) | Ethyl-benzene (µg/L) | Total Xylenes (µg/L) | MTBE (µg/L) | TBA (µg/L) | TAME (µg/L) | ETBE (µg/L) | DIPE (µg/L) | Naphthalene (µg/L) | TPH-DRO (mg/L) | TPH-GRO (mg/L) | Ethanol (µg/L) | |
| TF-2 | 8/31/2015 | NSVD | 1.31 | ND | ND | NSVD | 9 | 2 | ND(1) | ND(1) | 2 | ND(20) | ND(1) | ND(1) | ND(1) | ND(5) | 0.54 | NA | ND(250) | |
| | 12/21/2015 | NSVD | 1.10 | ND | ND | NSVD | ND(1) | ND(1) | ND(1) | ND(1) | ND(1) | ND(20) | ND(1) | ND(1) | ND(1) | ND(5) | ND(0.10) | NA | ND(250) | |
| | 3/8/2016 | NSVD | 1.10 | ND | ND | NSVD | ND(1) | ND(1) | ND(1) | ND(1) | ND(1) | ND(20) | ND(1) | ND(1) | ND(1) | ND(5) | ND(0.10) | NA | ND(250) | |
| | 6/9/2016 | NSVD | 1.12 | ND | ND | NSVD | ND(1) | ND(1) | ND(1) | ND(1) | ND(1) | ND(20) | ND(1) | ND(1) | ND(1) | ND(5) | 1.9 | NA | ND(250) | |
| Mann-Kendall Statistic | | | | | | | -3 | 1 | 0 | 0 | -17 | -7 | -7 | 0 | -7 | 0 | 6 | N/A | 0 | |

Table 1 (Continued)
Groundwater Monitoring & Analytical Data

Southside Facility #20025

31 Heather Lane

Perryville, Maryland

August 15, 2005 through June 9, 2016

| Sample ID | Date | Gauging Data | | | | | Analytical Data | | | | | | | | | | | | Comments | |
|-------------------------------|------------|--------------------------------|-----------------------|------------------------------|-------------------------------|-------------------------------|-----------------|----------------|----------------------|----------------------|-------------|------------|-------------|-------------|-------------|--------------------|----------------|----------------|----------------|---|
| | | Top of Casing Elevation (feet) | Depth to Water (feet) | Depth to Hydro-carbon (feet) | Hydro-carbon Thickness (feet) | Corrected GW Elevation (feet) | Benzene (µg/L) | Toluene (µg/L) | Ethyl-benzene (µg/L) | Total Xylenes (µg/L) | MTBE (µg/L) | TBA (µg/L) | TAME (µg/L) | ETBE (µg/L) | DIPE (µg/L) | Naphthalene (µg/L) | TPH-DRO (mg/L) | TPH-GRO (mg/L) | Ethanol (µg/L) | |
| TF-3 | 6/24/2015 | NSVD | 1.00 | ND | ND | NSVD | 8 | 1 | ND(1) | ND(1) | 2 | ND(20) | ND(1) | ND(1) | ND(1) | ND(5) | 1.0 | NA | ND(250) | |
| | 8/31/2015 | NSVD | 0.70 | ND | ND | NSVD | 4 | ND(1) | ND(1) | ND(1) | 2 | ND(20) | ND(1) | ND(1) | ND(1) | ND(5) | 110 | NA | ND(250) | |
| | 12/21/2015 | NSVD | NM | NM | NM | NM | ND(1) | ND(1) | ND(1) | ND(1) | 1 | ND(20) | ND(1) | ND(1) | ND(1) | ND(5) | 1.8 | NA | ND(250) | |
| | 3/8/2016 | NSVD | 0.27 | ND | ND | NSVD | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | |
| | 6/9/2016 | NSVD | DRY | DRY | DRY | DRY | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | |
| Mann-Kendall Statistic | | | | | | | -5 | -6 | 0 | -7 | -9 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | N/A | 0 |

Table 1 (Continued)
Groundwater Monitoring & Analytical Data

Southside Facility #20025
 31 Heather Lane
 Perryville, Maryland
 August 15, 2005 through June 9, 2016

Notes:

* - The results of samples collected from BR-1, MW-12, MW-13, TF-1, and TF-2 on 9/22/2004 are not representative of site conditions. Inadequate decontamination of equipment occurred during that sampling event. The monitoring wells were resampled 10/15/14.

µg/L - micrograms per liter (µg/L)

GW - Groundwater

J - Indicates an estimated value

mg/L - milligram per liter (mg/L)

NA - Not analyzed

ND - Not detected

ND(5.0) - Not detected at or above the laboratory reporting limit, laboratory reporting limit included.

NM - Not monitored

NS - Not sampled

NSVD - Not surveyed to vertical datum

TABLE 2

**Potable Well Sampling Analytical Data
Southside Facility #20025
31 Heather Lane
Perryville, Maryland**

October 5, 2010 through June 9, 2016

| Sample ID | Date | Benzene (µg/L) | Toluene (µg/L) | Ethyl- benzene (µg/L) | Total Xylenes (µg/L) | Total BTEX (µg/L) | MTBE (µg/L) | TBA (µg/L) | TAME (µg/L) | ETBE (µg/L) | DIPE (µg/L) | Naph- thalene (µg/L) | Comments |
|--------------------|------------|-------------------|-------------------|-----------------------------|----------------------------|-------------------------|----------------|---------------|----------------|----------------|----------------|----------------------------|----------------------|
| 1825 Perryville PM | 07/07/2011 | ND(0.5) | ND(0.5) | ND(0.5) | ND(0.5) | BRL | ND(1.0) | ND(25) | ND(0.5) | ND(0.5) | ND(0.5) | ND(0.5) | |
| | 12/16/2011 | ND(0.5) | ND(0.5) | ND(0.5) | ND(0.5) | BRL | ND(0.5) | ND(25) | ND(0.5) | ND(0.5) | ND(0.5) | ND(0.5) | |
| | 03/27/2012 | ND(0.5) | ND(0.5) | ND(0.5) | ND(0.5) | BRL | ND(0.5) | ND(25) | ND(0.5) | ND(0.5) | ND(0.5) | ND(0.5) | |
| | 06/05/2012 | ND(0.5) | ND(0.5) | ND(0.5) | ND(0.5) | BRL | ND(1.0) | ND(25) | ND(0.5) | ND(0.5) | ND(0.5) | ND(0.5) | |
| | 09/10/2012 | ND(0.5) | ND(0.5) | ND(0.5) | ND(0.5) | BRL | ND(0.5) | ND(25) | ND(0.5) | ND(0.5) | ND(0.5) | ND(0.5) | |
| | 09/18/2013 | ND(0.5) | ND(0.5) | ND(0.5) | ND(0.5) | BRL | ND(0.5) | ND(25) | ND(0.5) | ND(0.5) | ND(0.5) | ND(0.5) | |
| | 03/24/2014 | ND(0.5) | ND(0.5) | ND(0.5) | ND(0.5) | BRL | ND(1.0) | ND(25) | ND(0.5) | ND(0.5) | ND(0.5) | ND(0.5) | |
| | 06/30/2014 | ND(0.5) | ND(0.5) | ND(0.5) | ND(0.5) | BRL | ND(1.0) | ND(25) | ND(0.5) | ND(0.5) | ND(0.5) | ND(0.5) | |
| | 09/12/2014 | ND(0.5) | ND(0.5) | ND(0.5) | ND(0.5) | BRL | ND(1.0) | ND(25) | ND(0.5) | ND(0.5) | ND(0.5) | ND(0.5) | |
| | 12/18/2014 | ND(0.5) | ND(0.5) | ND(0.5) | ND(0.5) | BRL | ND(1.0) | ND(25) | ND(0.5) | ND(0.5) | ND(0.5) | ND(0.5) | |
| | 03/24/2015 | ND(0.5) | ND(0.5) | ND(0.5) | ND(0.5) | BRL | ND(0.5) | ND(25) | ND(0.5) | ND(0.5) | ND(0.5) | ND(0.5) | |
| | 06/24/2015 | ND(0.5) | ND(0.5) | ND(0.5) | ND(0.5) | BRL | ND(0.5) | ND(25) | ND(0.5) | ND(0.5) | ND(0.5) | ND(0.5) | |
| | 08/21/2015 | ND(0.5) | ND(0.5) | ND(0.5) | ND(0.5) | BRL | 0.7 | ND(25) | ND(0.5) | ND(0.5) | ND(0.5) | ND(0.5) | |
| | 12/21/2015 | ND(0.5) | ND(0.5) | ND(0.5) | ND(0.5) | BRL | ND(1.0) | ND(25) | ND(0.5) | ND(0.5) | ND(0.5) | ND(0.5) | |
| | 03/07/2016 | ND(0.5) | ND(0.5) | ND(0.5) | ND(0.5) | BRL | ND(1.0) | ND(25) | ND(0.5) | ND(0.5) | ND(0.5) | ND(0.5) | |
| | 06/09/2016 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | Owner Not Responsive |

TABLE 2

**Potable Well Sampling Analytical Data
Southside Facility #20025
31 Heather Lane
Perryville, Maryland**

October 5, 2010 through June 9, 2016

| Sample ID | Date | Benzene (µg/L) | Toluene (µg/L) | Ethyl- benzene (µg/L) | Total Xylenes (µg/L) | Total BTEX (µg/L) | MTBE (µg/L) | TBA (µg/L) | TAME (µg/L) | ETBE (µg/L) | DIPE (µg/L) | Naph- thalene (µg/L) | Comments |
|--------------------|------------|-------------------|-------------------|-----------------------------|----------------------------|-------------------------|----------------|---------------|----------------|----------------|----------------|----------------------------|----------------------|
| 1825 Perryville PE | 07/07/2011 | ND(0.5) | ND(0.5) | ND(0.5) | ND(0.5) | BRL | ND(1.0) | ND(25) | ND(0.5) | ND(0.5) | ND(0.5) | ND(0.5) | |
| | 12/16/2011 | ND(0.5) | ND(0.5) | ND(0.5) | ND(0.5) | BRL | ND(0.5) | ND(25) | ND(0.5) | ND(0.5) | ND(0.5) | ND(0.5) | |
| | 03/27/2012 | ND(0.5) | ND(0.5) | ND(0.5) | ND(0.5) | BRL | ND(0.5) | ND(25) | ND(0.5) | ND(0.5) | ND(0.5) | ND(0.5) | |
| | 06/05/2012 | ND(0.5) | ND(0.5) | ND(0.5) | ND(0.5) | BRL | ND(0.5) | ND(25) | ND(0.5) | ND(0.5) | ND(0.5) | ND(0.5) | |
| | 09/10/2012 | ND(0.5) | ND(0.5) | ND(0.5) | ND(0.5) | BRL | ND(0.5) | ND(25) | ND(0.5) | ND(0.5) | ND(0.5) | ND(0.5) | |
| | 09/18/2013 | ND(0.5) | ND(0.5) | ND(0.5) | ND(0.5) | BRL | ND(0.5) | ND(25) | ND(0.5) | ND(0.5) | ND(0.5) | ND(0.5) | |
| | 03/24/2014 | ND(0.5) | ND(0.5) | ND(0.5) | ND(0.5) | BRL | ND(1.0) | ND(25) | ND(0.5) | ND(0.5) | ND(0.5) | ND(0.5) | |
| | 06/30/2014 | ND(0.5) | ND(0.5) | ND(0.5) | ND(0.5) | BRL | ND(1.0) | ND(25) | ND(0.5) | ND(0.5) | ND(0.5) | ND(0.5) | |
| | 09/12/2014 | ND(0.5) | ND(0.5) | ND(0.5) | ND(0.5) | BRL | ND(1.0) | ND(25) | ND(0.5) | ND(0.5) | ND(0.5) | ND(0.5) | |
| | 12/18/2014 | ND(0.5) | ND(0.5) | ND(0.5) | ND(0.5) | BRL | ND(1.0) | ND(25) | ND(0.5) | ND(0.5) | ND(0.5) | ND(0.5) | |
| | 03/24/2015 | ND(0.5) | ND(0.5) | ND(0.5) | ND(0.5) | BRL | ND(0.5) | ND(25) | ND(0.5) | ND(0.5) | ND(0.5) | ND(0.5) | |
| | 06/24/2015 | ND(0.5) | ND(0.5) | ND(0.5) | ND(0.5) | BRL | ND(0.5) | ND(25) | ND(0.5) | ND(0.5) | ND(0.5) | ND(0.5) | |
| | 08/21/2015 | ND(0.5) | ND(0.5) | ND(0.5) | ND(0.5) | BRL | ND(0.5) | ND(25) | ND(0.5) | ND(0.5) | ND(0.5) | ND(0.5) | |
| | 12/21/2015 | ND(0.5) | ND(0.5) | ND(0.5) | ND(0.5) | BRL | ND(1.0) | ND(25) | ND(0.5) | ND(0.5) | ND(0.5) | ND(0.5) | |
| | 03/07/2016 | ND(0.5) | ND(0.5) | ND(0.5) | ND(0.5) | BRL | ND(1.0) | ND(25) | ND(0.5) | ND(0.5) | ND(0.5) | ND(0.5) | |
| | 06/09/2016 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | Owner Not Responsive |

TABLE 2

Potable Well Sampling Analytical Data
Southside Facility #20025
31 Heather Lane
Perryville, Maryland

October 5, 2010 through June 9, 2016

| Sample ID | Date | Benzene (µg/L) | Toluene (µg/L) | Ethyl- benzene (µg/L) | Total Xylenes (µg/L) | Total BTEX (µg/L) | MTBE (µg/L) | TBA (µg/L) | TAME (µg/L) | ETBE (µg/L) | DIPE (µg/L) | Naph- thalene (µg/L) | Comments |
|--------------------|------------|-------------------|-------------------|-----------------------------|----------------------------|-------------------------|----------------|---------------|----------------|----------------|----------------|----------------------------|----------|
| 1836 Perryville Rd | 04/14/2011 | ND(0.5) | ND(0.5) | ND(0.5) | ND(0.5) | BRL | 6.8 | ND(25) | ND(0.5) | ND(0.5) | ND(0.5) | ND(0.5) | |
| | 07/07/2011 | ND(0.5) | ND(0.5) | ND(0.5) | ND(0.5) | BRL | 6.1 | ND(25) | ND(0.5) | ND(0.5) | ND(0.5) | ND(0.5) | |
| | 12/16/2011 | ND(0.5) | ND(0.5) | ND(0.5) | ND(0.5) | BRL | 6.3 | ND(25) | ND(0.5) | ND(0.5) | ND(0.5) | ND(0.5) | |
| | 03/28/2012 | ND(0.5) | ND(0.5) | ND(0.5) | ND(0.5) | BRL | 6.2 | ND(25) | ND(0.5) | ND(0.5) | ND(0.5) | ND(0.5) | |
| | 06/05/2012 | ND(0.5) | ND(0.5) | ND(0.5) | ND(0.5) | BRL | 5.4 | ND(25) | ND(0.5) | ND(0.5) | ND(0.5) | ND(0.5) | |
| | 09/10/2012 | ND(0.5) | ND(0.5) | ND(0.5) | ND(0.5) | BRL | 5.8 | ND(25) | ND(0.5) | ND(0.5) | ND(0.5) | ND(0.5) | |
| | 12/14/2012 | ND(0.5) | ND(0.5) | ND(0.5) | ND(0.5) | BRL | 5.0 | ND(25) | ND(0.5) | ND(0.5) | ND(0.5) | ND(0.5) | |
| | 03/20/2013 | ND(0.5) | ND(0.5) | ND(0.5) | ND(0.5) | BRL | 5.6 | ND(25) | ND(0.5) | ND(0.5) | ND(0.5) | ND(0.5) | |
| | 06/21/2013 | ND(0.5) | ND(0.5) | ND(0.5) | ND(0.5) | BRL | 5.0 | ND(25) | ND(0.5) | ND(0.5) | ND(0.5) | ND(0.5) | |
| | 08/29/2013 | ND(0.5) | ND(0.5) | ND(0.5) | ND(0.5) | BRL | 5.3 | ND(25) | ND(0.5) | ND(0.5) | ND(0.5) | ND(0.5) | |
| | 12/12/2013 | ND(0.5) | ND(0.5) | ND(0.5) | ND(0.5) | BRL | 5.7 | ND(25) | ND(0.5) | ND(0.5) | ND(0.5) | ND(0.5) | |
| | 03/20/2014 | ND(0.5) | ND(0.5) | ND(0.5) | ND(0.5) | BRL | 3.9 | ND(25) | ND(0.5) | ND(0.5) | ND(0.5) | ND(0.5) | |
| | 06/30/2014 | ND(0.5) | ND(0.5) | ND(0.5) | ND(0.5) | BRL | 5.9 | ND(25) | ND(0.5) | ND(0.5) | ND(0.5) | ND(0.5) | |
| | 09/22/2014 | ND(0.5) | ND(0.5) | ND(0.5) | ND(0.5) | BRL | 5.0 | ND(25) | ND(0.5) | ND(0.5) | ND(0.5) | ND(0.5) | |
| | 12/18/2014 | ND(0.5) | ND(0.5) | ND(0.5) | ND(0.5) | BRL | 4.7 | ND(25) | ND(0.5) | ND(0.5) | ND(0.5) | ND(0.5) | |
| | 03/24/2015 | ND(0.5) | ND(0.5) | ND(0.5) | ND(0.5) | BRL | 5.2 | ND(25) | ND(0.5) | ND(0.5) | ND(0.5) | ND(0.5) | |
| | 06/24/2015 | ND(0.5) | ND(0.5) | ND(0.5) | ND(0.5) | BRL | 5.6 | ND(25) | ND(0.5) | ND(0.5) | ND(0.5) | ND(0.5) | |
| | 08/31/2015 | ND(0.5) | ND(0.5) | ND(0.5) | ND(0.5) | BRL | 4.4 | ND(25) | ND(0.5) | ND(0.5) | ND(0.5) | ND(0.5) | |
| | 12/21/2015 | ND(0.5) | ND(0.5) | ND(0.5) | ND(0.5) | BRL | 3.9 | ND(25) | ND(0.5) | ND(0.5) | ND(0.5) | ND(0.5) | |
| | 03/07/2016 | ND(0.5) | ND(0.5) | ND(0.5) | ND(0.5) | BRL | 4.4 | ND(25) | ND(0.5) | ND(0.5) | ND(0.5) | ND(0.5) | |
| | 06/09/2016 | ND(0.5) | ND(0.5) | ND(0.5) | ND(0.5) | BRL | 2.5 | ND(25) | ND(0.5) | ND(0.5) | ND(0.5) | ND(0.5) | |

TABLE 2

**Potable Well Sampling Analytical Data
Southside Facility #20025
31 Heather Lane
Perryville, Maryland**

October 5, 2010 through June 9, 2016

| Sample ID | Date | Benzene (µg/L) | Toluene (µg/L) | Ethyl- benzene (µg/L) | Total Xylenes (µg/L) | Total BTEX (µg/L) | MTBE (µg/L) | TBA (µg/L) | TAME (µg/L) | ETBE (µg/L) | DIPE (µg/L) | Naph- thalene (µg/L) | Comments |
|-----------------|------------|-------------------|-------------------|-----------------------------|----------------------------|-------------------------|----------------|---------------|----------------|----------------|----------------|----------------------------|----------|
| 7 Patterson Ave | 04/14/2011 | ND(0.5) | ND(0.5) | ND(0.5) | ND(0.5) | BRL | ND(1.0) | ND(25) | ND(0.5) | ND(0.5) | ND(0.5) | ND(0.5) | |
| | 09/18/2013 | ND(0.5) | ND(0.5) | ND(0.5) | ND(0.5) | BRL | ND(0.5) | ND(25) | ND(0.5) | ND(0.5) | ND(0.5) | ND(0.5) | |

Notes:

µg/L - micrograms per liter (µg/L)

BRL - Below laboratory reporting limits

BTEX - Benzene, toluene, ethylbenzene, and total xylenes

DIPE - Di-Isopropyl Ether

ETBE - Ethyl Tertiary Butyl Ether

MTBE - Methyl Tert Butyl Ether

NA - Not analyzed

ND(5.0) - Not detected at or above the laboratory reporting limit, laboratory reporting limit included.

NS - Not sampled

TAME - Tertiary Amyl Methyl Ether

TBA - Tertiary Butyl Alcohol

APPENDIX A

Lancaster Laboratories Analysis Report – Monitoring Wells (June 9, 2016)



ANALYTICAL RESULTS

Prepared by:

Eurofins Lancaster Laboratories Environmental
2425 New Holland Pike
Lancaster, PA 17601

Prepared for:

Kleinfelder
550 West C Street, Suite 1200
San Diego CA 92101

Report Date: June 22, 2016

Project: Southside Oil 20025

Submittal Date: 06/10/2016
Group Number: 1670862
PO Number: 51141-305139
State of Sample Origin: MD

Client Sample Description

| | Lancaster Labs <u>(LL) #</u> |
|-------------------|---------------------------------|
| MW-2 Grab Water | 8420975 |
| MW-4 Grab Water | 8420976 |
| MW-5 Grab Water | 8420977 |
| MW-6 Grab Water | 8420978 |
| MW-10D Grab Water | 8420979 |
| MW-12 Grab Water | 8420980 |
| MW-13 Grab Water | 8420981 |
| MW-14 Grab Water | 8420982 |
| TF-1 Grab Water | 8420983 |
| TF-2 Grab Water | 8420984 |
| BR-1 Grab Water | 8420985 |

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

Regulatory agencies do not accredit laboratories for all methods, analytes, and matrices. Our scopes of accreditation can be viewed at <http://www.eurofinsus.com/environment-testing/laboratories/eurofins-lancaster-laboratories-environmental/resources/certifications/>.

Electronic Copy To Kleinfelder
Electronic Copy To Kleinfelder
Electronic Copy To Kleinfelder
Electronic Copy To Kleinfelder

Attn: Paxton Wertz
Attn: Jennifer Kozak
Attn: Venelda Williams
Attn: Mark Steele



Lancaster Laboratories
Environmental

Analysis Report

2425 New Holland Pike, Lancaster, PA 17601 • 717-656-2300 • Fax: 717-656-2681 • www.LancasterLabs.com

Respectfully Submitted,



Amek Carter
Specialist

(717) 556-7252

Sample Description: MW-2 Grab Water
 Perryville, MD
 Southside Oil 20025

LL Sample # WW 8420975
 LL Group # 1670862
 Account # 12152

Project Name: Southside Oil 20025

Collected: 06/09/2016 11:00 by SP

Kleinfelder
 550 West C Street, Suite 1200
 San Diego CA 92101

Submitted: 06/10/2016 16:35

Reported: 06/22/2016 13:59

PRY02

| CAT No. | Analysis Name | CAS Number | Result | Limit of Quantitation | Dilution Factor |
|--|------------------------------------|------------|-------------|-----------------------|-----------------|
| GC/MS Volatiles | SW-846 8260B | | ug/l | ug/l | |
| 10335 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10335 | Acrolein | 107-02-8 | < 100 | 100 | 1 |
| 10335 | Acrylonitrile | 107-13-1 | < 20 | 20 | 1 |
| 10335 | t-Amyl methyl ether | 994-05-8 | < 1 | 1 | 1 |
| 10335 | Benzene | 71-43-2 | < 1 | 1 | 1 |
| 10335 | Bromodichloromethane | 75-27-4 | < 1 | 1 | 1 |
| 10335 | Bromoform | 75-25-2 | < 4 | 4 | 1 |
| 10335 | Bromomethane | 74-83-9 | < 1 | 1 | 1 |
| 10335 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10335 | t-Butyl alcohol | 75-65-0 | < 20 | 20 | 1 |
| 10335 | n-Butylbenzene | 104-51-8 | < 5 | 5 | 1 |
| 10335 | sec-Butylbenzene | 135-98-8 | < 5 | 5 | 1 |
| 10335 | Carbon Tetrachloride | 56-23-5 | < 1 | 1 | 1 |
| 10335 | Chlorobenzene | 108-90-7 | < 1 | 1 | 1 |
| 10335 | Chloroethane | 75-00-3 | < 1 | 1 | 1 |
| 10335 | 2-Chloroethyl Vinyl Ether | 110-75-8 | < 10 | 10 | 1 |
| 2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample. | | | | | |
| 10335 | Chloroform | 67-66-3 | < 1 | 1 | 1 |
| 10335 | Chloromethane | 74-87-3 | < 1 | 1 | 1 |
| 10335 | Dibromochloromethane | 124-48-1 | < 1 | 1 | 1 |
| 10335 | 1,2-Dichlorobenzene | 95-50-1 | < 5 | 5 | 1 |
| 10335 | 1,3-Dichlorobenzene | 541-73-1 | < 5 | 5 | 1 |
| 10335 | 1,4-Dichlorobenzene | 106-46-7 | < 5 | 5 | 1 |
| 10335 | 1,1-Dichloroethane | 75-34-3 | < 1 | 1 | 1 |
| 10335 | 1,2-Dichloroethane | 107-06-2 | < 1 | 1 | 1 |
| 10335 | 1,1-Dichloroethene | 75-35-4 | < 1 | 1 | 1 |
| 10335 | cis-1,2-Dichloroethene | 156-59-2 | < 1 | 1 | 1 |
| 10335 | trans-1,2-Dichloroethene | 156-60-5 | < 1 | 1 | 1 |
| 10335 | 1,2-Dichloropropane | 78-87-5 | < 1 | 1 | 1 |
| 10335 | cis-1,3-Dichloropropene | 10061-01-5 | < 1 | 1 | 1 |
| 10335 | trans-1,3-Dichloropropene | 10061-02-6 | < 1 | 1 | 1 |
| 10335 | Ethanol | 64-17-5 | < 250 | 250 | 1 |
| 10335 | Ethyl t-butyl ether | 637-92-3 | < 1 | 1 | 1 |
| 10335 | Ethylbenzene | 100-41-4 | < 1 | 1 | 1 |
| 10335 | di-Isopropyl ether | 108-20-3 | < 1 | 1 | 1 |
| 10335 | Isopropylbenzene | 98-82-8 | < 5 | 5 | 1 |
| 10335 | p-Isopropyltoluene | 99-87-6 | < 5 | 5 | 1 |
| 10335 | Methyl Tertiary Butyl Ether | 1634-04-4 | 6 | 1 | 1 |
| 10335 | Methylene Chloride | 75-09-2 | < 4 | 4 | 1 |
| 10335 | Naphthalene | 91-20-3 | < 5 | 5 | 1 |
| 10335 | n-Propylbenzene | 103-65-1 | < 5 | 5 | 1 |
| 10335 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 1 | 1 | 1 |
| 10335 | Tetrachloroethene | 127-18-4 | < 1 | 1 | 1 |
| 10335 | Toluene | 108-88-3 | < 1 | 1 | 1 |
| 10335 | 1,1,1-Trichloroethane | 71-55-6 | < 1 | 1 | 1 |
| 10335 | 1,1,2-Trichloroethane | 79-00-5 | < 1 | 1 | 1 |
| 10335 | Trichloroethene | 79-01-6 | < 1 | 1 | 1 |
| 10335 | Trichlorofluoromethane | 75-69-4 | < 1 | 1 | 1 |

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Sample Description: MW-2 Grab Water
Perryville, MD
Southside Oil 20025

LL Sample # WW 8420975
LL Group # 1670862
Account # 12152

Project Name: Southside Oil 20025

Collected: 06/09/2016 11:00 by SP

Kleinfelder

Submitted: 06/10/2016 16:35

550 West C Street, Suite 1200
San Diego CA 92101

Reported: 06/22/2016 13:59

PRY02

| CAT No. | Analysis Name | CAS Number | Result | Limit of Quantitation | Dilution Factor |
|---------------------------|------------------------|------------|--------|-----------------------|-----------------|
| GC/MS Volatiles | SW-846 8260B | | ug/l | ug/l | |
| 10335 | 1,2,4-Trimethylbenzene | 95-63-6 | < 5 | 5 | 1 |
| 10335 | 1,3,5-Trimethylbenzene | 108-67-8 | < 5 | 5 | 1 |
| 10335 | Vinyl Chloride | 75-01-4 | < 1 | 1 | 1 |
| 10335 | Xylene (Total) | 1330-20-7 | < 1 | 1 | 1 |
| GC Petroleum Hydrocarbons | SW-846 8015B | | mg/l | mg/l | |
| 12858 | DRO C10-C28 | n.a. | 0.95 | 0.10 | 1 |

Sample Comments

Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---------|--------------------------------|--------------|--------|------------|------------------------|--------------------|-----------------|
| 10335 | VOC 8260 Kleinfelder Full+EtOH | SW-846 8260B | 1 | W161652AA | 06/14/2016 01:14 | Kevin Kelly | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | W161652AA | 06/14/2016 01:14 | Kevin Kelly | 1 |
| 12858 | TPH-DRO water C10-C28 | SW-846 8015B | 1 | 161630005A | 06/13/2016 23:08 | Christine E Dolman | 1 |
| 12059 | Microextraction - DRO (waters) | SW-846 3511 | 1 | 161630005A | 06/12/2016 11:45 | Kelli M Barto | 1 |



Sample Description: MW-4 Grab Water
Perryville, MD
Southside Oil 20025

LL Sample # WW 8420976
LL Group # 1670862
Account # 12152

Project Name: Southside Oil 20025

Collected: 06/09/2016 13:45 by SP

Kleinfelder
550 West C Street, Suite 1200
San Diego CA 92101

Submitted: 06/10/2016 16:35

Reported: 06/22/2016 13:59

PRY04

| CAT No. | Analysis Name | CAS Number | Result | Limit of Quantitation | Dilution Factor |
|-----------------|--|------------|--------|-----------------------|-----------------|
| GC/MS Volatiles | SW-846 8260B | | ug/l | ug/l | |
| 10335 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10335 | Acrolein | 107-02-8 | < 100 | 100 | 1 |
| 10335 | Acrylonitrile | 107-13-1 | < 20 | 20 | 1 |
| 10335 | t-Amyl methyl ether | 994-05-8 | 10 | 1 | 1 |
| 10335 | Benzene | 71-43-2 | 8 | 1 | 1 |
| 10335 | Bromodichloromethane | 75-27-4 | < 1 | 1 | 1 |
| 10335 | Bromoform | 75-25-2 | < 4 | 4 | 1 |
| 10335 | Bromomethane | 74-83-9 | < 1 | 1 | 1 |
| 10335 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10335 | t-Butyl alcohol | 75-65-0 | 760 | 20 | 1 |
| 10335 | n-Butylbenzene | 104-51-8 | < 5 | 5 | 1 |
| 10335 | sec-Butylbenzene | 135-98-8 | < 5 | 5 | 1 |
| 10335 | Carbon Tetrachloride | 56-23-5 | < 1 | 1 | 1 |
| 10335 | Chlorobenzene | 108-90-7 | < 1 | 1 | 1 |
| 10335 | Chloroethane | 75-00-3 | < 1 | 1 | 1 |
| 10335 | 2-Chloroethyl Vinyl Ether | 110-75-8 | < 10 | 10 | 1 |
| | 2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample. | | | | |
| 10335 | Chloroform | 67-66-3 | < 1 | 1 | 1 |
| 10335 | Chloromethane | 74-87-3 | < 1 | 1 | 1 |
| 10335 | Dibromochloromethane | 124-48-1 | < 1 | 1 | 1 |
| 10335 | 1,2-Dichlorobenzene | 95-50-1 | < 5 | 5 | 1 |
| 10335 | 1,3-Dichlorobenzene | 541-73-1 | < 5 | 5 | 1 |
| 10335 | 1,4-Dichlorobenzene | 106-46-7 | < 5 | 5 | 1 |
| 10335 | 1,1-Dichloroethane | 75-34-3 | < 1 | 1 | 1 |
| 10335 | 1,2-Dichloroethane | 107-06-2 | < 1 | 1 | 1 |
| 10335 | 1,1-Dichloroethene | 75-35-4 | < 1 | 1 | 1 |
| 10335 | cis-1,2-Dichloroethene | 156-59-2 | < 1 | 1 | 1 |
| 10335 | trans-1,2-Dichloroethene | 156-60-5 | < 1 | 1 | 1 |
| 10335 | 1,2-Dichloropropane | 78-87-5 | < 1 | 1 | 1 |
| 10335 | cis-1,3-Dichloropropene | 10061-01-5 | < 1 | 1 | 1 |
| 10335 | trans-1,3-Dichloropropene | 10061-02-6 | < 1 | 1 | 1 |
| 10335 | Ethanol | 64-17-5 | < 250 | 250 | 1 |
| 10335 | Ethyl t-butyl ether | 637-92-3 | < 1 | 1 | 1 |
| 10335 | Ethylbenzene | 100-41-4 | 3 | 1 | 1 |
| 10335 | di-Isopropyl ether | 108-20-3 | 4 | 1 | 1 |
| 10335 | Isopropylbenzene | 98-82-8 | < 5 | 5 | 1 |
| 10335 | p-Isopropyltoluene | 99-87-6 | < 5 | 5 | 1 |
| 10335 | Methyl Tertiary Butyl Ether | 1634-04-4 | 220 | 1 | 1 |
| 10335 | Methylene Chloride | 75-09-2 | < 4 | 4 | 1 |
| 10335 | Naphthalene | 91-20-3 | < 5 | 5 | 1 |
| 10335 | n-Propylbenzene | 103-65-1 | < 5 | 5 | 1 |
| 10335 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 1 | 1 | 1 |
| 10335 | Tetrachloroethene | 127-18-4 | < 1 | 1 | 1 |
| 10335 | Toluene | 108-88-3 | < 1 | 1 | 1 |
| 10335 | 1,1,1-Trichloroethane | 71-55-6 | < 1 | 1 | 1 |
| 10335 | 1,1,2-Trichloroethane | 79-00-5 | < 1 | 1 | 1 |
| 10335 | Trichloroethene | 79-01-6 | < 1 | 1 | 1 |



Sample Description: MW-4 Grab Water
Perryville, MD
Southside Oil 20025

LL Sample # WW 8420976
LL Group # 1670862
Account # 12152

Project Name: Southside Oil 20025

Collected: 06/09/2016 13:45 by SP

Kleinfelder

Submitted: 06/10/2016 16:35

550 West C Street, Suite 1200
San Diego CA 92101

Reported: 06/22/2016 13:59

PRY04

| CAT No. | Analysis Name | CAS Number | Result | Limit of Quantitation | Dilution Factor |
|---|------------------------|------------|--------|-----------------------|-----------------|
| GC/MS Volatiles SW-846 8260B | | | | | |
| 10335 | Trichlorofluoromethane | 75-69-4 | < 1 | 1 | 1 |
| 10335 | 1,2,4-Trimethylbenzene | 95-63-6 | < 5 | 5 | 1 |
| 10335 | 1,3,5-Trimethylbenzene | 108-67-8 | < 5 | 5 | 1 |
| 10335 | Vinyl Chloride | 75-01-4 | < 1 | 1 | 1 |
| 10335 | Xylene (Total) | 1330-20-7 | 5 | 1 | 1 |
| GC Petroleum Hydrocarbons SW-846 8015B | | | | | |
| 12858 | DRO C10-C28 | n.a. | < 0.10 | 0.10 | 1 |

Sample Comments

Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---------|--------------------------------|--------------|--------|------------|------------------------|--------------------|-----------------|
| 10335 | VOC 8260 Kleinfelder Full+EtOH | SW-846 8260B | 1 | W161652AA | 06/14/2016 05:11 | Kevin Kelly | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | W161652AA | 06/14/2016 05:11 | Kevin Kelly | 1 |
| 12858 | TPH-DRO water C10-C28 | SW-846 8015B | 1 | 161690006A | 06/20/2016 10:35 | Christine E Dolman | 1 |
| 12059 | Microextraction - DRO (waters) | SW-846 3511 | 2 | 161690006A | 06/18/2016 06:25 | Maria Davenport | 1 |



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Sample Description: MW-5 Grab Water
Perryville, MD
Southside Oil 20025

LL Sample # WW 8420977
LL Group # 1670862
Account # 12152

Project Name: Southside Oil 20025

Collected: 06/09/2016 11:20 by SP

Kleinfelder

550 West C Street, Suite 1200
San Diego CA 92101

Submitted: 06/10/2016 16:35

Reported: 06/22/2016 13:59

PRY05

| CAT No. | Analysis Name | CAS Number | Result | Limit of Quantitation | Dilution Factor |
|------------|--|---------------------|-------------|--------------------------|--------------------|
| | GC/MS Volatiles | SW-846 8260B | ug/l | ug/l | |
| 10335 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10335 | Acrolein | 107-02-8 | < 100 | 100 | 1 |
| 10335 | Acrylonitrile | 107-13-1 | < 20 | 20 | 1 |
| 10335 | t-Amyl methyl ether | 994-05-8 | < 1 | 1 | 1 |
| 10335 | Benzene | 71-43-2 | < 1 | 1 | 1 |
| 10335 | Bromodichloromethane | 75-27-4 | < 1 | 1 | 1 |
| 10335 | Bromoform | 75-25-2 | < 4 | 4 | 1 |
| 10335 | Bromomethane | 74-83-9 | < 1 | 1 | 1 |
| 10335 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10335 | t-Butyl alcohol | 75-65-0 | < 20 | 20 | 1 |
| 10335 | n-Butylbenzene | 104-51-8 | < 5 | 5 | 1 |
| 10335 | sec-Butylbenzene | 135-98-8 | < 5 | 5 | 1 |
| 10335 | Carbon Tetrachloride | 56-23-5 | < 1 | 1 | 1 |
| 10335 | Chlorobenzene | 108-90-7 | < 1 | 1 | 1 |
| 10335 | Chloroethane | 75-00-3 | < 1 | 1 | 1 |
| 10335 | 2-Chloroethyl Vinyl Ether | 110-75-8 | < 10 | 10 | 1 |
| | 2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample. | | | | |
| 10335 | Chloroform | 67-66-3 | < 1 | 1 | 1 |
| 10335 | Chloromethane | 74-87-3 | < 1 | 1 | 1 |
| 10335 | Dibromochloromethane | 124-48-1 | < 1 | 1 | 1 |
| 10335 | 1,2-Dichlorobenzene | 95-50-1 | < 5 | 5 | 1 |
| 10335 | 1,3-Dichlorobenzene | 541-73-1 | < 5 | 5 | 1 |
| 10335 | 1,4-Dichlorobenzene | 106-46-7 | < 5 | 5 | 1 |
| 10335 | 1,1-Dichloroethane | 75-34-3 | < 1 | 1 | 1 |
| 10335 | 1,2-Dichloroethane | 107-06-2 | < 1 | 1 | 1 |
| 10335 | 1,1-Dichloroethene | 75-35-4 | < 1 | 1 | 1 |
| 10335 | cis-1,2-Dichloroethene | 156-59-2 | < 1 | 1 | 1 |
| 10335 | trans-1,2-Dichloroethene | 156-60-5 | < 1 | 1 | 1 |
| 10335 | 1,2-Dichloropropane | 78-87-5 | < 1 | 1 | 1 |
| 10335 | cis-1,3-Dichloropropene | 10061-01-5 | < 1 | 1 | 1 |
| 10335 | trans-1,3-Dichloropropene | 10061-02-6 | < 1 | 1 | 1 |
| 10335 | Ethanol | 64-17-5 | < 250 | 250 | 1 |
| 10335 | Ethyl t-butyl ether | 637-92-3 | < 1 | 1 | 1 |
| 10335 | Ethylbenzene | 100-41-4 | < 1 | 1 | 1 |
| 10335 | di-Isopropyl ether | 108-20-3 | < 1 | 1 | 1 |
| 10335 | Isopropylbenzene | 98-82-8 | < 5 | 5 | 1 |
| 10335 | p-Isopropyltoluene | 99-87-6 | < 5 | 5 | 1 |
| 10335 | Methyl Tertiary Butyl Ether | 1634-04-4 | 13 | 1 | 1 |
| 10335 | Methylene Chloride | 75-09-2 | < 4 | 4 | 1 |
| 10335 | Naphthalene | 91-20-3 | < 5 | 5 | 1 |
| 10335 | n-Propylbenzene | 103-65-1 | < 5 | 5 | 1 |
| 10335 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 1 | 1 | 1 |
| 10335 | Tetrachloroethene | 127-18-4 | < 1 | 1 | 1 |
| 10335 | Toluene | 108-88-3 | < 1 | 1 | 1 |
| 10335 | 1,1,1-Trichloroethane | 71-55-6 | < 1 | 1 | 1 |
| 10335 | 1,1,2-Trichloroethane | 79-00-5 | < 1 | 1 | 1 |
| 10335 | Trichloroethene | 79-01-6 | < 1 | 1 | 1 |
| 10335 | Trichlorofluoromethane | 75-69-4 | < 1 | 1 | 1 |



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Sample Description: MW-5 Grab Water
Perryville, MD
Southside Oil 20025LL Sample # WW 8420977
LL Group # 1670862
Account # 12152**Project Name:** Southside Oil 20025

Collected: 06/09/2016 11:20 by SP

Kleinfelder

550 West C Street, Suite 1200
San Diego CA 92101

Submitted: 06/10/2016 16:35

Reported: 06/22/2016 13:59

PRY05

| CAT No. | Analysis Name | CAS Number | Result | Limit of Quantitation | Dilution Factor |
|---------------------------|------------------------|------------|--------|-----------------------|-----------------|
| GC/MS Volatiles | SW-846 8260B | | ug/l | ug/l | |
| 10335 | 1,2,4-Trimethylbenzene | 95-63-6 | < 5 | 5 | 1 |
| 10335 | 1,3,5-Trimethylbenzene | 108-67-8 | < 5 | 5 | 1 |
| 10335 | Vinyl Chloride | 75-01-4 | < 1 | 1 | 1 |
| 10335 | Xylene (Total) | 1330-20-7 | < 1 | 1 | 1 |
| GC Petroleum Hydrocarbons | SW-846 8015B | | mg/l | mg/l | |
| 12858 | DRO C10-C28 | n.a. | < 0.10 | 0.10 | 1 |

Sample Comments

Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---------|--------------------------------|--------------|--------|------------|------------------------|--------------------|-----------------|
| 10335 | VOC 8260 Kleinfelder Full+EtOH | SW-846 8260B | 1 | W161652AA | 06/14/2016 01:38 | Kevin Kelly | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | W161652AA | 06/14/2016 01:38 | Kevin Kelly | 1 |
| 12858 | TPH-DRO water C10-C28 | SW-846 8015B | 1 | 161690006A | 06/20/2016 10:59 | Christine E Dolman | 1 |
| 12059 | Microextraction - DRO (waters) | SW-846 3511 | 2 | 161690006A | 06/18/2016 06:25 | Maria Davenport | 1 |

Sample Description: MW-6 Grab Water
Perryville, MD
Southside Oil 20025

LL Sample # WW 8420978
LL Group # 1670862
Account # 12152

Project Name: Southside Oil 20025

Collected: 06/09/2016 12:10 by SP

Kleinfelder

550 West C Street, Suite 1200
San Diego CA 92101

Submitted: 06/10/2016 16:35

Reported: 06/22/2016 13:59

PRY06

| CAT No. | Analysis Name | CAS Number | Result | Limit of Quantitation | Dilution Factor |
|---------|--|---------------------|-------------|-----------------------|-----------------|
| | GC/MS Volatiles | SW-846 8260B | ug/l | ug/l | |
| 10335 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10335 | Acrolein | 107-02-8 | < 100 | 100 | 1 |
| 10335 | Acrylonitrile | 107-13-1 | < 20 | 20 | 1 |
| 10335 | t-Amyl methyl ether | 994-05-8 | 14 | 1 | 1 |
| 10335 | Benzene | 71-43-2 | 4 | 1 | 1 |
| 10335 | Bromodichloromethane | 75-27-4 | < 1 | 1 | 1 |
| 10335 | Bromoform | 75-25-2 | < 4 | 4 | 1 |
| 10335 | Bromomethane | 74-83-9 | < 1 | 1 | 1 |
| 10335 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10335 | t-Butyl alcohol | 75-65-0 | 450 | 20 | 1 |
| 10335 | n-Butylbenzene | 104-51-8 | < 5 | 5 | 1 |
| 10335 | sec-Butylbenzene | 135-98-8 | < 5 | 5 | 1 |
| 10335 | Carbon Tetrachloride | 56-23-5 | < 1 | 1 | 1 |
| 10335 | Chlorobenzene | 108-90-7 | < 1 | 1 | 1 |
| 10335 | Chloroethane | 75-00-3 | < 1 | 1 | 1 |
| 10335 | 2-Chloroethyl Vinyl Ether | 110-75-8 | < 10 | 10 | 1 |
| | 2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample. | | | | |
| 10335 | Chloroform | 67-66-3 | < 1 | 1 | 1 |
| 10335 | Chloromethane | 74-87-3 | < 1 | 1 | 1 |
| 10335 | Dibromochloromethane | 124-48-1 | < 1 | 1 | 1 |
| 10335 | 1,2-Dichlorobenzene | 95-50-1 | < 5 | 5 | 1 |
| 10335 | 1,3-Dichlorobenzene | 541-73-1 | < 5 | 5 | 1 |
| 10335 | 1,4-Dichlorobenzene | 106-46-7 | < 5 | 5 | 1 |
| 10335 | 1,1-Dichloroethane | 75-34-3 | < 1 | 1 | 1 |
| 10335 | 1,2-Dichloroethane | 107-06-2 | < 1 | 1 | 1 |
| 10335 | 1,1-Dichloroethene | 75-35-4 | < 1 | 1 | 1 |
| 10335 | cis-1,2-Dichloroethene | 156-59-2 | < 1 | 1 | 1 |
| 10335 | trans-1,2-Dichloroethene | 156-60-5 | < 1 | 1 | 1 |
| 10335 | 1,2-Dichloropropane | 78-87-5 | < 1 | 1 | 1 |
| 10335 | cis-1,3-Dichloropropene | 10061-01-5 | < 1 | 1 | 1 |
| 10335 | trans-1,3-Dichloropropene | 10061-02-6 | < 1 | 1 | 1 |
| 10335 | Ethanol | 64-17-5 | < 250 | 250 | 1 |
| 10335 | Ethyl t-butyl ether | 637-92-3 | < 1 | 1 | 1 |
| 10335 | Ethylbenzene | 100-41-4 | < 1 | 1 | 1 |
| 10335 | di-Isopropyl ether | 108-20-3 | 3 | 1 | 1 |
| 10335 | Isopropylbenzene | 98-82-8 | < 5 | 5 | 1 |
| 10335 | p-Isopropyltoluene | 99-87-6 | < 5 | 5 | 1 |
| 10335 | Methyl Tertiary Butyl Ether | 1634-04-4 | 220 | 1 | 1 |
| 10335 | Methylene Chloride | 75-09-2 | < 4 | 4 | 1 |
| 10335 | Naphthalene | 91-20-3 | < 5 | 5 | 1 |
| 10335 | n-Propylbenzene | 103-65-1 | < 5 | 5 | 1 |
| 10335 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 1 | 1 | 1 |
| 10335 | Tetrachloroethene | 127-18-4 | < 1 | 1 | 1 |
| 10335 | Toluene | 108-88-3 | < 1 | 1 | 1 |
| 10335 | 1,1,1-Trichloroethane | 71-55-6 | < 1 | 1 | 1 |
| 10335 | 1,1,2-Trichloroethane | 79-00-5 | < 1 | 1 | 1 |
| 10335 | Trichloroethene | 79-01-6 | < 1 | 1 | 1 |



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Sample Description: MW-6 Grab Water
Perryville, MD
Southside Oil 20025

LL Sample # WW 8420978
LL Group # 1670862
Account # 12152

Project Name: Southside Oil 20025

Collected: 06/09/2016 12:10 by SP

Kleinfelder

550 West C Street, Suite 1200
San Diego CA 92101

Submitted: 06/10/2016 16:35

Reported: 06/22/2016 13:59

PRY06

| CAT No. | Analysis Name | CAS Number | Result | Limit of Quantitation | Dilution Factor |
|---|------------------------|------------|--------|-----------------------|-----------------|
| GC/MS Volatiles SW-846 8260B | | | | | |
| 10335 | Trichlorofluoromethane | 75-69-4 | < 1 | 1 | 1 |
| 10335 | 1,2,4-Trimethylbenzene | 95-63-6 | < 5 | 5 | 1 |
| 10335 | 1,3,5-Trimethylbenzene | 108-67-8 | < 5 | 5 | 1 |
| 10335 | Vinyl Chloride | 75-01-4 | < 1 | 1 | 1 |
| 10335 | Xylene (Total) | 1330-20-7 | < 1 | 1 | 1 |
| GC Petroleum Hydrocarbons SW-846 8015B | | | | | |
| 12858 | DRO C10-C28 | n.a. | < 0.10 | 0.10 | 1 |

Sample Comments

Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---------|--------------------------------|--------------|--------|------------|------------------------|--------------------|-----------------|
| 10335 | VOC 8260 Kleinfelder Full+EtOH | SW-846 8260B | 1 | W161652AA | 06/14/2016 02:01 | Kevin Kelly | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | W161652AA | 06/14/2016 02:01 | Kevin Kelly | 1 |
| 12858 | TPH-DRO water C10-C28 | SW-846 8015B | 1 | 161690006A | 06/20/2016 11:22 | Christine E Dolman | 1 |
| 12059 | Microextraction - DRO (waters) | SW-846 3511 | 2 | 161690006A | 06/18/2016 06:25 | Maria Davenport | 1 |

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Sample Description: MW-10D Grab Water
Perryville, MD
Southside Oil 20025

LL Sample # WW 8420979
LL Group # 1670862
Account # 12152

Project Name: Southside Oil 20025

Collected: 06/09/2016 12:30 by SP

Kleinfelder

550 West C Street, Suite 1200
San Diego CA 92101

Submitted: 06/10/2016 16:35

Reported: 06/22/2016 13:59

PRY10

| CAT No. | Analysis Name | CAS Number | Result | Limit of Quantitation | Dilution Factor |
|-----------------|-----------------------------|------------|--|-----------------------|-----------------|
| GC/MS Volatiles | SW-846 8260B | | ug/l | ug/l | |
| 10335 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10335 | Acrolein | 107-02-8 | < 100 | 100 | 1 |
| 10335 | Acrylonitrile | 107-13-1 | < 20 | 20 | 1 |
| 10335 | t-Amyl methyl ether | 994-05-8 | 3 | 1 | 1 |
| 10335 | Benzene | 71-43-2 | < 1 | 1 | 1 |
| 10335 | Bromodichloromethane | 75-27-4 | < 1 | 1 | 1 |
| 10335 | Bromoform | 75-25-2 | < 4 | 4 | 1 |
| 10335 | Bromomethane | 74-83-9 | < 1 | 1 | 1 |
| 10335 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10335 | t-Butyl alcohol | 75-65-0 | 170 | 20 | 1 |
| 10335 | n-Butylbenzene | 104-51-8 | < 5 | 5 | 1 |
| 10335 | sec-Butylbenzene | 135-98-8 | < 5 | 5 | 1 |
| 10335 | Carbon Tetrachloride | 56-23-5 | < 1 | 1 | 1 |
| 10335 | Chlorobenzene | 108-90-7 | < 1 | 1 | 1 |
| 10335 | Chloroethane | 75-00-3 | < 1 | 1 | 1 |
| 10335 | 2-Chloroethyl Vinyl Ether | 110-75-8 | < 10 | 10 | 1 |
| | | | 2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample. | | |
| 10335 | Chloroform | 67-66-3 | < 1 | 1 | 1 |
| 10335 | Chloromethane | 74-87-3 | < 1 | 1 | 1 |
| 10335 | Dibromochloromethane | 124-48-1 | < 1 | 1 | 1 |
| 10335 | 1,2-Dichlorobenzene | 95-50-1 | < 5 | 5 | 1 |
| 10335 | 1,3-Dichlorobenzene | 541-73-1 | < 5 | 5 | 1 |
| 10335 | 1,4-Dichlorobenzene | 106-46-7 | < 5 | 5 | 1 |
| 10335 | 1,1-Dichloroethane | 75-34-3 | < 1 | 1 | 1 |
| 10335 | 1,2-Dichloroethane | 107-06-2 | < 1 | 1 | 1 |
| 10335 | 1,1-Dichloroethene | 75-35-4 | < 1 | 1 | 1 |
| 10335 | cis-1,2-Dichloroethene | 156-59-2 | < 1 | 1 | 1 |
| 10335 | trans-1,2-Dichloroethene | 156-60-5 | < 1 | 1 | 1 |
| 10335 | 1,2-Dichloropropane | 78-87-5 | < 1 | 1 | 1 |
| 10335 | cis-1,3-Dichloropropene | 10061-01-5 | < 1 | 1 | 1 |
| 10335 | trans-1,3-Dichloropropene | 10061-02-6 | < 1 | 1 | 1 |
| 10335 | Ethanol | 64-17-5 | < 250 | 250 | 1 |
| 10335 | Ethyl t-butyl ether | 637-92-3 | < 1 | 1 | 1 |
| 10335 | Ethylbenzene | 100-41-4 | < 1 | 1 | 1 |
| 10335 | di-Isopropyl ether | 108-20-3 | < 1 | 1 | 1 |
| 10335 | Isopropylbenzene | 98-82-8 | < 5 | 5 | 1 |
| 10335 | p-Isopropyltoluene | 99-87-6 | < 5 | 5 | 1 |
| 10335 | Methyl Tertiary Butyl Ether | 1634-04-4 | 60 | 1 | 1 |
| 10335 | Methylene Chloride | 75-09-2 | < 4 | 4 | 1 |
| 10335 | Naphthalene | 91-20-3 | < 5 | 5 | 1 |
| 10335 | n-Propylbenzene | 103-65-1 | < 5 | 5 | 1 |
| 10335 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 1 | 1 | 1 |
| 10335 | Tetrachloroethene | 127-18-4 | < 1 | 1 | 1 |
| 10335 | Toluene | 108-88-3 | < 1 | 1 | 1 |
| 10335 | 1,1,1-Trichloroethane | 71-55-6 | < 1 | 1 | 1 |
| 10335 | 1,1,2-Trichloroethane | 79-00-5 | < 1 | 1 | 1 |
| 10335 | Trichloroethene | 79-01-6 | < 1 | 1 | 1 |



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Sample Description: MW-10D Grab Water
Perryville, MD
Southside Oil 20025LL Sample # WW 8420979
LL Group # 1670862
Account # 12152**Project Name:** Southside Oil 20025

Collected: 06/09/2016 12:30 by SP

Kleinfelder

550 West C Street, Suite 1200
San Diego CA 92101

Submitted: 06/10/2016 16:35

Reported: 06/22/2016 13:59

PRY10

| CAT No. | Analysis Name | CAS Number | Result | Limit of Quantitation | Dilution Factor |
|---|------------------------|------------|--------|-----------------------|-----------------|
| GC/MS Volatiles SW-846 8260B | | | | | |
| 10335 | Trichlorofluoromethane | 75-69-4 | < 1 | 1 | 1 |
| 10335 | 1,2,4-Trimethylbenzene | 95-63-6 | < 5 | 5 | 1 |
| 10335 | 1,3,5-Trimethylbenzene | 108-67-8 | < 5 | 5 | 1 |
| 10335 | Vinyl Chloride | 75-01-4 | < 1 | 1 | 1 |
| 10335 | Xylene (Total) | 1330-20-7 | < 1 | 1 | 1 |
| GC Petroleum Hydrocarbons SW-846 8015B | | | | | |
| 12858 | DRO C10-C28 | n.a. | < 0.10 | 0.10 | 1 |

Sample Comments

Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---------|--------------------------------|--------------|--------|------------|------------------------|--------------------|-----------------|
| 10335 | VOC 8260 Kleinfelder Full+EtOH | SW-846 8260B | 1 | W161652AA | 06/14/2016 02:25 | Kevin Kelly | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | W161652AA | 06/14/2016 02:25 | Kevin Kelly | 1 |
| 12858 | TPH-DRO water C10-C28 | SW-846 8015B | 1 | 161690006A | 06/20/2016 11:45 | Christine E Dolman | 1 |
| 12059 | Microextraction - DRO (waters) | SW-846 3511 | 2 | 161690006A | 06/18/2016 06:25 | Maria Davenport | 1 |

Sample Description: MW-12 Grab Water
Perryville, MD
Southside Oil 20025

LL Sample # WW 8420980
LL Group # 1670862
Account # 12152

Project Name: Southside Oil 20025

Collected: 06/09/2016 08:30 by SP

Kleinfelder

550 West C Street, Suite 1200
San Diego CA 92101

Submitted: 06/10/2016 16:35

Reported: 06/22/2016 13:59

PRY12

| CAT No. | Analysis Name | CAS Number | Result | Limit of Quantitation | Dilution Factor |
|--|------------------------------------|------------|-------------|-----------------------|-----------------|
| GC/MS Volatiles | SW-846 8260B | | ug/l | ug/l | |
| 10335 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10335 | Acrolein | 107-02-8 | < 100 | 100 | 1 |
| 10335 | Acrylonitrile | 107-13-1 | < 20 | 20 | 1 |
| 10335 | t-Amyl methyl ether | 994-05-8 | < 1 | 1 | 1 |
| 10335 | Benzene | 71-43-2 | < 1 | 1 | 1 |
| 10335 | Bromodichloromethane | 75-27-4 | < 1 | 1 | 1 |
| 10335 | Bromoform | 75-25-2 | < 4 | 4 | 1 |
| 10335 | Bromomethane | 74-83-9 | < 1 | 1 | 1 |
| 10335 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10335 | t-Butyl alcohol | 75-65-0 | < 20 | 20 | 1 |
| 10335 | n-Butylbenzene | 104-51-8 | < 5 | 5 | 1 |
| 10335 | sec-Butylbenzene | 135-98-8 | < 5 | 5 | 1 |
| 10335 | Carbon Tetrachloride | 56-23-5 | < 1 | 1 | 1 |
| 10335 | Chlorobenzene | 108-90-7 | < 1 | 1 | 1 |
| 10335 | Chloroethane | 75-00-3 | < 1 | 1 | 1 |
| 10335 | 2-Chloroethyl Vinyl Ether | 110-75-8 | < 10 | 10 | 1 |
| 2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample. | | | | | |
| 10335 | Chloroform | 67-66-3 | < 1 | 1 | 1 |
| 10335 | Chloromethane | 74-87-3 | < 1 | 1 | 1 |
| 10335 | Dibromochloromethane | 124-48-1 | < 1 | 1 | 1 |
| 10335 | 1,2-Dichlorobenzene | 95-50-1 | < 5 | 5 | 1 |
| 10335 | 1,3-Dichlorobenzene | 541-73-1 | < 5 | 5 | 1 |
| 10335 | 1,4-Dichlorobenzene | 106-46-7 | < 5 | 5 | 1 |
| 10335 | 1,1-Dichloroethane | 75-34-3 | < 1 | 1 | 1 |
| 10335 | 1,2-Dichloroethane | 107-06-2 | < 1 | 1 | 1 |
| 10335 | 1,1-Dichloroethene | 75-35-4 | < 1 | 1 | 1 |
| 10335 | cis-1,2-Dichloroethene | 156-59-2 | < 1 | 1 | 1 |
| 10335 | trans-1,2-Dichloroethene | 156-60-5 | < 1 | 1 | 1 |
| 10335 | 1,2-Dichloropropane | 78-87-5 | < 1 | 1 | 1 |
| 10335 | cis-1,3-Dichloropropene | 10061-01-5 | < 1 | 1 | 1 |
| 10335 | trans-1,3-Dichloropropene | 10061-02-6 | < 1 | 1 | 1 |
| 10335 | Ethanol | 64-17-5 | < 250 | 250 | 1 |
| 10335 | Ethyl t-butyl ether | 637-92-3 | < 1 | 1 | 1 |
| 10335 | Ethylbenzene | 100-41-4 | < 1 | 1 | 1 |
| 10335 | di-Isopropyl ether | 108-20-3 | < 1 | 1 | 1 |
| 10335 | Isopropylbenzene | 98-82-8 | < 5 | 5 | 1 |
| 10335 | p-Isopropyltoluene | 99-87-6 | < 5 | 5 | 1 |
| 10335 | Methyl Tertiary Butyl Ether | 1634-04-4 | 4 | 1 | 1 |
| 10335 | Methylene Chloride | 75-09-2 | < 4 | 4 | 1 |
| 10335 | Naphthalene | 91-20-3 | < 5 | 5 | 1 |
| 10335 | n-Propylbenzene | 103-65-1 | < 5 | 5 | 1 |
| 10335 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 1 | 1 | 1 |
| 10335 | Tetrachloroethene | 127-18-4 | < 1 | 1 | 1 |
| 10335 | Toluene | 108-88-3 | < 1 | 1 | 1 |
| 10335 | 1,1,1-Trichloroethane | 71-55-6 | < 1 | 1 | 1 |
| 10335 | 1,1,2-Trichloroethane | 79-00-5 | < 1 | 1 | 1 |
| 10335 | Trichloroethene | 79-01-6 | < 1 | 1 | 1 |
| 10335 | Trichlorofluoromethane | 75-69-4 | < 1 | 1 | 1 |



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Sample Description: MW-12 Grab Water
Perryville, MD
Southside Oil 20025

LL Sample # WW 8420980
LL Group # 1670862
Account # 12152

Project Name: Southside Oil 20025

Collected: 06/09/2016 08:30 by SP

Kleinfelder

550 West C Street, Suite 1200
San Diego CA 92101

Submitted: 06/10/2016 16:35

Reported: 06/22/2016 13:59

PRY12

| CAT No. | Analysis Name | CAS Number | Result | Limit of Quantitation | Dilution Factor |
|---------|----------------------------------|---------------------|-------------|-----------------------|-----------------|
| | GC/MS Volatiles | SW-846 8260B | ug/l | ug/l | |
| 10335 | 1,2,4-Trimethylbenzene | 95-63-6 | < 5 | 5 | 1 |
| 10335 | 1,3,5-Trimethylbenzene | 108-67-8 | < 5 | 5 | 1 |
| 10335 | Vinyl Chloride | 75-01-4 | < 1 | 1 | 1 |
| 10335 | Xylene (Total) | 1330-20-7 | < 1 | 1 | 1 |
| | GC Petroleum Hydrocarbons | SW-846 8015B | mg/l | mg/l | |
| 12858 | DRO C10-C28 | n.a. | < 0.10 | 0.10 | 1 |

Sample Comments

Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---------|--------------------------------|--------------|--------|------------|------------------------|--------------------|-----------------|
| 10335 | VOC 8260 Kleinfelder Full+EtOH | SW-846 8260B | 1 | W161652AA | 06/14/2016 02:49 | Kevin Kelly | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | W161652AA | 06/14/2016 02:49 | Kevin Kelly | 1 |
| 12858 | TPH-DRO water C10-C28 | SW-846 8015B | 1 | 161690006A | 06/20/2016 12:08 | Christine E Dolman | 1 |
| 12059 | Microextraction - DRO (waters) | SW-846 3511 | 2 | 161690006A | 06/18/2016 06:25 | Maria Davenport | 1 |

Sample Description: MW-13 Grab Water
Perryville, MD
Southside Oil 20025

LL Sample # WW 8420981
LL Group # 1670862
Account # 12152

Project Name: Southside Oil 20025

Collected: 06/09/2016 09:50 by SP

Kleinfelder

550 West C Street, Suite 1200
San Diego CA 92101

Submitted: 06/10/2016 16:35

Reported: 06/22/2016 13:59

PRY13

| CAT No. | Analysis Name | CAS Number | Result | Limit of Quantitation | Dilution Factor |
|--|-----------------------------|------------|--------|-----------------------|-----------------|
| GC/MS Volatiles | SW-846 8260B | | ug/l | ug/l | |
| 10335 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10335 | Acrolein | 107-02-8 | < 100 | 100 | 1 |
| 10335 | Acrylonitrile | 107-13-1 | < 20 | 20 | 1 |
| 10335 | t-Amyl methyl ether | 994-05-8 | < 1 | 1 | 1 |
| 10335 | Benzene | 71-43-2 | < 1 | 1 | 1 |
| 10335 | Bromodichloromethane | 75-27-4 | < 1 | 1 | 1 |
| 10335 | Bromoform | 75-25-2 | < 4 | 4 | 1 |
| 10335 | Bromomethane | 74-83-9 | < 1 | 1 | 1 |
| 10335 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10335 | t-Butyl alcohol | 75-65-0 | < 20 | 20 | 1 |
| 10335 | n-Butylbenzene | 104-51-8 | < 5 | 5 | 1 |
| 10335 | sec-Butylbenzene | 135-98-8 | < 5 | 5 | 1 |
| 10335 | Carbon Tetrachloride | 56-23-5 | < 1 | 1 | 1 |
| 10335 | Chlorobenzene | 108-90-7 | < 1 | 1 | 1 |
| 10335 | Chloroethane | 75-00-3 | < 1 | 1 | 1 |
| 10335 | 2-Chloroethyl Vinyl Ether | 110-75-8 | < 10 | 10 | 1 |
| 2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample. | | | | | |
| 10335 | Chloroform | 67-66-3 | < 1 | 1 | 1 |
| 10335 | Chloromethane | 74-87-3 | < 1 | 1 | 1 |
| 10335 | Dibromochloromethane | 124-48-1 | < 1 | 1 | 1 |
| 10335 | 1,2-Dichlorobenzene | 95-50-1 | < 5 | 5 | 1 |
| 10335 | 1,3-Dichlorobenzene | 541-73-1 | < 5 | 5 | 1 |
| 10335 | 1,4-Dichlorobenzene | 106-46-7 | < 5 | 5 | 1 |
| 10335 | 1,1-Dichloroethane | 75-34-3 | < 1 | 1 | 1 |
| 10335 | 1,2-Dichloroethane | 107-06-2 | < 1 | 1 | 1 |
| 10335 | 1,1-Dichloroethene | 75-35-4 | < 1 | 1 | 1 |
| 10335 | cis-1,2-Dichloroethene | 156-59-2 | < 1 | 1 | 1 |
| 10335 | trans-1,2-Dichloroethene | 156-60-5 | < 1 | 1 | 1 |
| 10335 | 1,2-Dichloropropane | 78-87-5 | < 1 | 1 | 1 |
| 10335 | cis-1,3-Dichloropropene | 10061-01-5 | < 1 | 1 | 1 |
| 10335 | trans-1,3-Dichloropropene | 10061-02-6 | < 1 | 1 | 1 |
| 10335 | Ethanol | 64-17-5 | < 250 | 250 | 1 |
| 10335 | Ethyl t-butyl ether | 637-92-3 | < 1 | 1 | 1 |
| 10335 | Ethylbenzene | 100-41-4 | < 1 | 1 | 1 |
| 10335 | di-Isopropyl ether | 108-20-3 | < 1 | 1 | 1 |
| 10335 | Isopropylbenzene | 98-82-8 | < 5 | 5 | 1 |
| 10335 | p-Isopropyltoluene | 99-87-6 | < 5 | 5 | 1 |
| 10335 | Methyl Tertiary Butyl Ether | 1634-04-4 | < 1 | 1 | 1 |
| 10335 | Methylene Chloride | 75-09-2 | < 4 | 4 | 1 |
| 10335 | Naphthalene | 91-20-3 | < 5 | 5 | 1 |
| 10335 | n-Propylbenzene | 103-65-1 | < 5 | 5 | 1 |
| 10335 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 1 | 1 | 1 |
| 10335 | Tetrachloroethene | 127-18-4 | < 1 | 1 | 1 |
| 10335 | Toluene | 108-88-3 | < 1 | 1 | 1 |
| 10335 | 1,1,1-Trichloroethane | 71-55-6 | < 1 | 1 | 1 |
| 10335 | 1,1,2-Trichloroethane | 79-00-5 | < 1 | 1 | 1 |
| 10335 | Trichloroethene | 79-01-6 | < 1 | 1 | 1 |
| 10335 | Trichlorofluoromethane | 75-69-4 | < 1 | 1 | 1 |
| 10335 | 1,2,4-Trimethylbenzene | 95-63-6 | < 5 | 5 | 1 |



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Sample Description: MW-13 Grab Water
Perryville, MD
Southside Oil 20025

LL Sample # WW 8420981
LL Group # 1670862
Account # 12152

Project Name: Southside Oil 20025

Collected: 06/09/2016 09:50 by SP

Kleinfelder
550 West C Street, Suite 1200
San Diego CA 92101

Submitted: 06/10/2016 16:35

Reported: 06/22/2016 13:59

PRY13

| CAT No. | Analysis Name | CAS Number | Result | Limit of Quantitation | Dilution Factor |
|---------------------------|------------------------|------------|--------|-----------------------|-----------------|
| GC/MS Volatiles | SW-846 8260B | | ug/l | ug/l | |
| 10335 | 1,3,5-Trimethylbenzene | 108-67-8 | < 5 | 5 | 1 |
| 10335 | Vinyl Chloride | 75-01-4 | < 1 | 1 | 1 |
| 10335 | Xylene (Total) | 1330-20-7 | < 1 | 1 | 1 |
| GC Petroleum Hydrocarbons | SW-846 8015B | | mg/l | mg/l | |
| 12858 | DRO C10-C28 | n.a. | < 0.10 | 0.10 | 1 |

Sample Comments

Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---------|--------------------------------|--------------|--------|------------|------------------------|--------------------|-----------------|
| 10335 | VOC 8260 Kleinfelder Full+EtOH | SW-846 8260B | 1 | W161652AA | 06/14/2016 03:13 | Kevin Kelly | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | W161652AA | 06/14/2016 03:13 | Kevin Kelly | 1 |
| 12858 | TPH-DRO water C10-C28 | SW-846 8015B | 1 | 161690006A | 06/20/2016 12:32 | Christine E Dolman | 1 |
| 12059 | Microextraction - DRO (waters) | SW-846 3511 | 2 | 161690006A | 06/18/2016 06:25 | Maria Davenport | 1 |



Sample Description: MW-14 Grab Water
Perryville, MD
Southside Oil 20025

LL Sample # WW 8420982
LL Group # 1670862
Account # 12152

Project Name: Southside Oil 20025

Collected: 06/09/2016 09:30 by SP

Kleinfelder

Submitted: 06/10/2016 16:35

550 West C Street, Suite 1200
San Diego CA 92101

Reported: 06/22/2016 13:59

PRY14

| CAT No. | Analysis Name | CAS Number | Result | Limit of Quantitation | Dilution Factor |
|-----------------|------------------------------------|------------|--|-----------------------|-----------------|
| GC/MS Volatiles | SW-846 8260B | | ug/l | ug/l | |
| 10335 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10335 | Acrolein | 107-02-8 | < 100 | 100 | 1 |
| 10335 | Acrylonitrile | 107-13-1 | < 20 | 20 | 1 |
| 10335 | t-Amyl methyl ether | 994-05-8 | < 1 | 1 | 1 |
| 10335 | Benzene | 71-43-2 | < 1 | 1 | 1 |
| 10335 | Bromodichloromethane | 75-27-4 | < 1 | 1 | 1 |
| 10335 | Bromoform | 75-25-2 | < 4 | 4 | 1 |
| 10335 | Bromomethane | 74-83-9 | < 1 | 1 | 1 |
| 10335 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10335 | t-Butyl alcohol | 75-65-0 | < 20 | 20 | 1 |
| 10335 | n-Butylbenzene | 104-51-8 | < 5 | 5 | 1 |
| 10335 | sec-Butylbenzene | 135-98-8 | < 5 | 5 | 1 |
| 10335 | Carbon Tetrachloride | 56-23-5 | < 1 | 1 | 1 |
| 10335 | Chlorobenzene | 108-90-7 | < 1 | 1 | 1 |
| 10335 | Chloroethane | 75-00-3 | < 1 | 1 | 1 |
| 10335 | 2-Chloroethyl Vinyl Ether | 110-75-8 | < 10 | 10 | 1 |
| | | | 2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample. | | |
| 10335 | Chloroform | 67-66-3 | < 1 | 1 | 1 |
| 10335 | Chloromethane | 74-87-3 | < 1 | 1 | 1 |
| 10335 | Dibromochloromethane | 124-48-1 | < 1 | 1 | 1 |
| 10335 | 1,2-Dichlorobenzene | 95-50-1 | < 5 | 5 | 1 |
| 10335 | 1,3-Dichlorobenzene | 541-73-1 | < 5 | 5 | 1 |
| 10335 | 1,4-Dichlorobenzene | 106-46-7 | < 5 | 5 | 1 |
| 10335 | 1,1-Dichloroethane | 75-34-3 | < 1 | 1 | 1 |
| 10335 | 1,2-Dichloroethane | 107-06-2 | < 1 | 1 | 1 |
| 10335 | 1,1-Dichloroethene | 75-35-4 | < 1 | 1 | 1 |
| 10335 | cis-1,2-Dichloroethene | 156-59-2 | < 1 | 1 | 1 |
| 10335 | trans-1,2-Dichloroethene | 156-60-5 | < 1 | 1 | 1 |
| 10335 | 1,2-Dichloropropane | 78-87-5 | < 1 | 1 | 1 |
| 10335 | cis-1,3-Dichloropropene | 10061-01-5 | < 1 | 1 | 1 |
| 10335 | trans-1,3-Dichloropropene | 10061-02-6 | < 1 | 1 | 1 |
| 10335 | Ethanol | 64-17-5 | < 250 | 250 | 1 |
| 10335 | Ethyl t-butyl ether | 637-92-3 | < 1 | 1 | 1 |
| 10335 | Ethylbenzene | 100-41-4 | < 1 | 1 | 1 |
| 10335 | di-Isopropyl ether | 108-20-3 | < 1 | 1 | 1 |
| 10335 | Isopropylbenzene | 98-82-8 | < 5 | 5 | 1 |
| 10335 | p-Isopropyltoluene | 99-87-6 | < 5 | 5 | 1 |
| 10335 | Methyl Tertiary Butyl Ether | 1634-04-4 | 6 | 1 | 1 |
| 10335 | Methylene Chloride | 75-09-2 | < 4 | 4 | 1 |
| 10335 | Naphthalene | 91-20-3 | < 5 | 5 | 1 |
| 10335 | n-Propylbenzene | 103-65-1 | < 5 | 5 | 1 |
| 10335 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 1 | 1 | 1 |
| 10335 | Tetrachloroethene | 127-18-4 | < 1 | 1 | 1 |
| 10335 | Toluene | 108-88-3 | < 1 | 1 | 1 |
| 10335 | 1,1,1-Trichloroethane | 71-55-6 | < 1 | 1 | 1 |
| 10335 | 1,1,2-Trichloroethane | 79-00-5 | < 1 | 1 | 1 |
| 10335 | Trichloroethene | 79-01-6 | < 1 | 1 | 1 |
| 10335 | Trichlorofluoromethane | 75-69-4 | < 1 | 1 | 1 |



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Sample Description: MW-14 Grab Water
Perryville, MD
Southside Oil 20025

LL Sample # WW 8420982
LL Group # 1670862
Account # 12152

Project Name: Southside Oil 20025

Collected: 06/09/2016 09:30 by SP

Kleinfelder

550 West C Street, Suite 1200
San Diego CA 92101

Submitted: 06/10/2016 16:35

Reported: 06/22/2016 13:59

PRY14

| CAT No. | Analysis Name | CAS Number | Result | Limit of Quantitation | Dilution Factor |
|---------|----------------------------------|---------------------|-------------|-----------------------|-----------------|
| | GC/MS Volatiles | SW-846 8260B | ug/l | ug/l | |
| 10335 | 1,2,4-Trimethylbenzene | 95-63-6 | < 5 | 5 | 1 |
| 10335 | 1,3,5-Trimethylbenzene | 108-67-8 | < 5 | 5 | 1 |
| 10335 | Vinyl Chloride | 75-01-4 | < 1 | 1 | 1 |
| 10335 | Xylene (Total) | 1330-20-7 | < 1 | 1 | 1 |
| | GC Petroleum Hydrocarbons | SW-846 8015B | mg/l | mg/l | |
| 12858 | DRO C10-C28 | n.a. | < 0.10 | 0.10 | 1 |

Sample Comments

Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---------|--------------------------------|--------------|--------|------------|------------------------|--------------------|-----------------|
| 10335 | VOC 8260 Kleinfelder Full+EtOH | SW-846 8260B | 1 | W161652AA | 06/14/2016 03:36 | Kevin Kelly | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | W161652AA | 06/14/2016 03:36 | Kevin Kelly | 1 |
| 12858 | TPH-DRO water C10-C28 | SW-846 8015B | 1 | 161690006A | 06/20/2016 12:55 | Christine E Dolman | 1 |
| 12059 | Microextraction - DRO (waters) | SW-846 3511 | 2 | 161690006A | 06/18/2016 06:25 | Maria Davenport | 1 |

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Sample Description: TF-1 Grab Water
Perryville, MD
Southside Oil 20025

LL Sample # WW 8420983
LL Group # 1670862
Account # 12152

Project Name: Southside Oil 20025

Collected: 06/09/2016 13:20 by SP

Kleinfelder

550 West C Street, Suite 1200
San Diego CA 92101

Submitted: 06/10/2016 16:35

Reported: 06/22/2016 13:59

PRYT1

| CAT No. | Analysis Name | CAS Number | Result | Limit of Quantitation | Dilution Factor |
|---------|--|---------------------|-------------|-----------------------|-----------------|
| | GC/MS Volatiles | SW-846 8260B | ug/l | ug/l | |
| 10335 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10335 | Acrolein | 107-02-8 | < 100 | 100 | 1 |
| 10335 | Acrylonitrile | 107-13-1 | < 20 | 20 | 1 |
| 10335 | t-Amyl methyl ether | 994-05-8 | 2 | 1 | 1 |
| 10335 | Benzene | 71-43-2 | 14 | 1 | 1 |
| 10335 | Bromodichloromethane | 75-27-4 | < 1 | 1 | 1 |
| 10335 | Bromoform | 75-25-2 | < 4 | 4 | 1 |
| 10335 | Bromomethane | 74-83-9 | < 1 | 1 | 1 |
| 10335 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10335 | t-Butyl alcohol | 75-65-0 | < 20 | 20 | 1 |
| 10335 | n-Butylbenzene | 104-51-8 | < 5 | 5 | 1 |
| 10335 | sec-Butylbenzene | 135-98-8 | < 5 | 5 | 1 |
| 10335 | Carbon Tetrachloride | 56-23-5 | < 1 | 1 | 1 |
| 10335 | Chlorobenzene | 108-90-7 | < 1 | 1 | 1 |
| 10335 | Chloroethane | 75-00-3 | < 1 | 1 | 1 |
| 10335 | 2-Chloroethyl Vinyl Ether | 110-75-8 | < 10 | 10 | 1 |
| | 2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample. | | | | |
| 10335 | Chloroform | 67-66-3 | < 1 | 1 | 1 |
| 10335 | Chloromethane | 74-87-3 | < 1 | 1 | 1 |
| 10335 | Dibromochloromethane | 124-48-1 | < 1 | 1 | 1 |
| 10335 | 1,2-Dichlorobenzene | 95-50-1 | < 5 | 5 | 1 |
| 10335 | 1,3-Dichlorobenzene | 541-73-1 | < 5 | 5 | 1 |
| 10335 | 1,4-Dichlorobenzene | 106-46-7 | < 5 | 5 | 1 |
| 10335 | 1,1-Dichloroethane | 75-34-3 | < 1 | 1 | 1 |
| 10335 | 1,2-Dichloroethane | 107-06-2 | < 1 | 1 | 1 |
| 10335 | 1,1-Dichloroethene | 75-35-4 | < 1 | 1 | 1 |
| 10335 | cis-1,2-Dichloroethene | 156-59-2 | < 1 | 1 | 1 |
| 10335 | trans-1,2-Dichloroethene | 156-60-5 | < 1 | 1 | 1 |
| 10335 | 1,2-Dichloropropane | 78-87-5 | < 1 | 1 | 1 |
| 10335 | cis-1,3-Dichloropropene | 10061-01-5 | < 1 | 1 | 1 |
| 10335 | trans-1,3-Dichloropropene | 10061-02-6 | < 1 | 1 | 1 |
| 10335 | Ethanol | 64-17-5 | < 250 | 250 | 1 |
| 10335 | Ethyl t-butyl ether | 637-92-3 | < 1 | 1 | 1 |
| 10335 | Ethylbenzene | 100-41-4 | < 1 | 1 | 1 |
| 10335 | di-Isopropyl ether | 108-20-3 | 15 | 1 | 1 |
| 10335 | Isopropylbenzene | 98-82-8 | < 5 | 5 | 1 |
| 10335 | p-Isopropyltoluene | 99-87-6 | < 5 | 5 | 1 |
| 10335 | Methyl Tertiary Butyl Ether | 1634-04-4 | 1 | 1 | 1 |
| 10335 | Methylene Chloride | 75-09-2 | < 4 | 4 | 1 |
| 10335 | Naphthalene | 91-20-3 | < 5 | 5 | 1 |
| 10335 | n-Propylbenzene | 103-65-1 | < 5 | 5 | 1 |
| 10335 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 1 | 1 | 1 |
| 10335 | Tetrachloroethene | 127-18-4 | < 1 | 1 | 1 |
| 10335 | Toluene | 108-88-3 | 6 | 1 | 1 |
| 10335 | 1,1,1-Trichloroethane | 71-55-6 | < 1 | 1 | 1 |
| 10335 | 1,1,2-Trichloroethane | 79-00-5 | < 1 | 1 | 1 |
| 10335 | Trichloroethene | 79-01-6 | 1 | 1 | 1 |



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Sample Description: TF-1 Grab Water
Perryville, MD
Southside Oil 20025

LL Sample # WW 8420983
LL Group # 1670862
Account # 12152

Project Name: Southside Oil 20025

Collected: 06/09/2016 13:20 by SP

Kleinfelder

Submitted: 06/10/2016 16:35

550 West C Street, Suite 1200
San Diego CA 92101

Reported: 06/22/2016 13:59

PRYT1

| CAT No. | Analysis Name | CAS Number | Result | Limit of Quantitation | Dilution Factor |
|---------|----------------------------------|---------------------|-------------|-----------------------|-----------------|
| | GC/MS Volatiles | SW-846 8260B | ug/l | ug/l | |
| 10335 | Trichlorofluoromethane | 75-69-4 | < 1 | 1 | 1 |
| 10335 | 1,2,4-Trimethylbenzene | 95-63-6 | < 5 | 5 | 1 |
| 10335 | 1,3,5-Trimethylbenzene | 108-67-8 | < 5 | 5 | 1 |
| 10335 | Vinyl Chloride | 75-01-4 | < 1 | 1 | 1 |
| 10335 | Xylene (Total) | 1330-20-7 | 3 | 1 | 1 |
| | GC Petroleum Hydrocarbons | SW-846 8015B | mg/l | mg/l | |
| 12858 | DRO C10-C28 | n.a. | 0.12 | 0.10 | 1 |

Sample Comments

Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---------|--------------------------------|--------------|--------|------------|------------------------|--------------------|-----------------|
| 10335 | VOC 8260 Kleinfelder Full+EtOH | SW-846 8260B | 1 | W161652AA | 06/14/2016 04:00 | Kevin Kelly | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | W161652AA | 06/14/2016 04:00 | Kevin Kelly | 1 |
| 12858 | TPH-DRO water C10-C28 | SW-846 8015B | 1 | 161690006A | 06/20/2016 13:18 | Christine E Dolman | 1 |
| 12059 | Microextraction - DRO (waters) | SW-846 3511 | 2 | 161690006A | 06/18/2016 06:25 | Maria Davenport | 1 |

Sample Description: TF-2 Grab Water
Perryville, MD
Southside Oil 20025

LL Sample # WW 8420984
LL Group # 1670862
Account # 12152

Project Name: Southside Oil 20025

Collected: 06/09/2016 13:00 by SP

Kleinfelder

550 West C Street, Suite 1200
San Diego CA 92101

Submitted: 06/10/2016 16:35

Reported: 06/22/2016 13:59

PRYT2

| CAT No. | Analysis Name | CAS Number | Result | Limit of Quantitation | Dilution Factor |
|-----------------|-----------------------------|------------|--|-----------------------|-----------------|
| GC/MS Volatiles | SW-846 8260B | | ug/l | ug/l | |
| 10335 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10335 | Acrolein | 107-02-8 | < 100 | 100 | 1 |
| 10335 | Acrylonitrile | 107-13-1 | < 20 | 20 | 1 |
| 10335 | t-Amyl methyl ether | 994-05-8 | < 1 | 1 | 1 |
| 10335 | Benzene | 71-43-2 | < 1 | 1 | 1 |
| 10335 | Bromodichloromethane | 75-27-4 | < 1 | 1 | 1 |
| 10335 | Bromoform | 75-25-2 | < 4 | 4 | 1 |
| 10335 | Bromomethane | 74-83-9 | < 1 | 1 | 1 |
| 10335 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10335 | t-Butyl alcohol | 75-65-0 | < 20 | 20 | 1 |
| 10335 | n-Butylbenzene | 104-51-8 | < 5 | 5 | 1 |
| 10335 | sec-Butylbenzene | 135-98-8 | < 5 | 5 | 1 |
| 10335 | Carbon Tetrachloride | 56-23-5 | < 1 | 1 | 1 |
| 10335 | Chlorobenzene | 108-90-7 | < 1 | 1 | 1 |
| 10335 | Chloroethane | 75-00-3 | < 1 | 1 | 1 |
| 10335 | 2-Chloroethyl Vinyl Ether | 110-75-8 | < 10 | 10 | 1 |
| | | | 2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample. | | |
| 10335 | Chloroform | 67-66-3 | < 1 | 1 | 1 |
| 10335 | Chloromethane | 74-87-3 | < 1 | 1 | 1 |
| 10335 | Dibromochloromethane | 124-48-1 | < 1 | 1 | 1 |
| 10335 | 1,2-Dichlorobenzene | 95-50-1 | < 5 | 5 | 1 |
| 10335 | 1,3-Dichlorobenzene | 541-73-1 | < 5 | 5 | 1 |
| 10335 | 1,4-Dichlorobenzene | 106-46-7 | < 5 | 5 | 1 |
| 10335 | 1,1-Dichloroethane | 75-34-3 | < 1 | 1 | 1 |
| 10335 | 1,2-Dichloroethane | 107-06-2 | < 1 | 1 | 1 |
| 10335 | 1,1-Dichloroethene | 75-35-4 | < 1 | 1 | 1 |
| 10335 | cis-1,2-Dichloroethene | 156-59-2 | < 1 | 1 | 1 |
| 10335 | trans-1,2-Dichloroethene | 156-60-5 | < 1 | 1 | 1 |
| 10335 | 1,2-Dichloropropane | 78-87-5 | < 1 | 1 | 1 |
| 10335 | cis-1,3-Dichloropropene | 10061-01-5 | < 1 | 1 | 1 |
| 10335 | trans-1,3-Dichloropropene | 10061-02-6 | < 1 | 1 | 1 |
| 10335 | Ethanol | 64-17-5 | < 250 | 250 | 1 |
| 10335 | Ethyl t-butyl ether | 637-92-3 | < 1 | 1 | 1 |
| 10335 | Ethylbenzene | 100-41-4 | < 1 | 1 | 1 |
| 10335 | di-Isopropyl ether | 108-20-3 | < 1 | 1 | 1 |
| 10335 | Isopropylbenzene | 98-82-8 | < 5 | 5 | 1 |
| 10335 | p-Isopropyltoluene | 99-87-6 | < 5 | 5 | 1 |
| 10335 | Methyl Tertiary Butyl Ether | 1634-04-4 | < 1 | 1 | 1 |
| 10335 | Methylene Chloride | 75-09-2 | < 4 | 4 | 1 |
| 10335 | Naphthalene | 91-20-3 | < 5 | 5 | 1 |
| 10335 | n-Propylbenzene | 103-65-1 | < 5 | 5 | 1 |
| 10335 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 1 | 1 | 1 |
| 10335 | Tetrachloroethene | 127-18-4 | < 1 | 1 | 1 |
| 10335 | Toluene | 108-88-3 | < 1 | 1 | 1 |
| 10335 | 1,1,1-Trichloroethane | 71-55-6 | < 1 | 1 | 1 |
| 10335 | 1,1,2-Trichloroethane | 79-00-5 | < 1 | 1 | 1 |
| 10335 | Trichloroethene | 79-01-6 | < 1 | 1 | 1 |
| 10335 | Trichlorofluoromethane | 75-69-4 | < 1 | 1 | 1 |
| 10335 | 1,2,4-Trimethylbenzene | 95-63-6 | < 5 | 5 | 1 |



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Sample Description: TF-2 Grab Water
Perryville, MD
Southside Oil 20025

LL Sample # WW 8420984
LL Group # 1670862
Account # 12152

Project Name: Southside Oil 20025

Collected: 06/09/2016 13:00 by SP

Kleinfelder
550 West C Street, Suite 1200
San Diego CA 92101

Submitted: 06/10/2016 16:35

Reported: 06/22/2016 13:59

PRYT2

| CAT No. | Analysis Name | CAS Number | Result | Limit of Quantitation | Dilution Factor |
|---------------------------|------------------------|------------|--------|-----------------------|-----------------|
| GC/MS Volatiles | SW-846 8260B | | ug/l | ug/l | |
| 10335 | 1,3,5-Trimethylbenzene | 108-67-8 | < 5 | 5 | 1 |
| 10335 | Vinyl Chloride | 75-01-4 | < 1 | 1 | 1 |
| 10335 | Xylene (Total) | 1330-20-7 | < 1 | 1 | 1 |
| GC Petroleum Hydrocarbons | SW-846 8015B | | mg/l | mg/l | |
| 12858 | DRO C10-C28 | n.a. | 1.9 | 0.10 | 1 |

Sample Comments

Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---------|--------------------------------|--------------|--------|------------|------------------------|--------------------|-----------------|
| 10335 | VOC 8260 Kleinfelder Full+EtOH | SW-846 8260B | 1 | W161652AA | 06/14/2016 04:24 | Kevin Kelly | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | W161652AA | 06/14/2016 04:24 | Kevin Kelly | 1 |
| 12858 | TPH-DRO water C10-C28 | SW-846 8015B | 1 | 161630005A | 06/14/2016 02:40 | Christine E Dolman | 1 |
| 12059 | Microextraction - DRO (waters) | SW-846 3511 | 1 | 161630005A | 06/12/2016 11:45 | Kelli M Barto | 1 |

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Sample Description: BR-1 Grab Water
Perryville, MD
Southside Oil 20025

LL Sample # WW 8420985
LL Group # 1670862
Account # 12152

Project Name: Southside Oil 20025

Collected: 06/09/2016 10:30 by SP

Kleinfelder

550 West C Street, Suite 1200
San Diego CA 92101

Submitted: 06/10/2016 16:35

Reported: 06/22/2016 13:59

PRYB1

| CAT No. | Analysis Name | CAS Number | Result | Limit of Quantitation | Dilution Factor |
|---------|--|---------------------|-------------|-----------------------|-----------------|
| | GC/MS Volatiles | SW-846 8260B | ug/l | ug/l | |
| 10335 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10335 | Acrolein | 107-02-8 | < 100 | 100 | 1 |
| 10335 | Acrylonitrile | 107-13-1 | < 20 | 20 | 1 |
| 10335 | t-Amyl methyl ether | 994-05-8 | < 1 | 1 | 1 |
| 10335 | Benzene | 71-43-2 | < 1 | 1 | 1 |
| 10335 | Bromodichloromethane | 75-27-4 | < 1 | 1 | 1 |
| 10335 | Bromoform | 75-25-2 | < 4 | 4 | 1 |
| 10335 | Bromomethane | 74-83-9 | < 1 | 1 | 1 |
| 10335 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10335 | t-Butyl alcohol | 75-65-0 | 30 | 20 | 1 |
| 10335 | n-Butylbenzene | 104-51-8 | < 5 | 5 | 1 |
| 10335 | sec-Butylbenzene | 135-98-8 | < 5 | 5 | 1 |
| 10335 | Carbon Tetrachloride | 56-23-5 | < 1 | 1 | 1 |
| 10335 | Chlorobenzene | 108-90-7 | < 1 | 1 | 1 |
| 10335 | Chloroethane | 75-00-3 | < 1 | 1 | 1 |
| 10335 | 2-Chloroethyl Vinyl Ether | 110-75-8 | < 10 | 10 | 1 |
| | 2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample. | | | | |
| 10335 | Chloroform | 67-66-3 | < 1 | 1 | 1 |
| 10335 | Chloromethane | 74-87-3 | < 1 | 1 | 1 |
| 10335 | Dibromochloromethane | 124-48-1 | < 1 | 1 | 1 |
| 10335 | 1,2-Dichlorobenzene | 95-50-1 | < 5 | 5 | 1 |
| 10335 | 1,3-Dichlorobenzene | 541-73-1 | < 5 | 5 | 1 |
| 10335 | 1,4-Dichlorobenzene | 106-46-7 | < 5 | 5 | 1 |
| 10335 | 1,1-Dichloroethane | 75-34-3 | < 1 | 1 | 1 |
| 10335 | 1,2-Dichloroethane | 107-06-2 | < 1 | 1 | 1 |
| 10335 | 1,1-Dichloroethene | 75-35-4 | < 1 | 1 | 1 |
| 10335 | cis-1,2-Dichloroethene | 156-59-2 | < 1 | 1 | 1 |
| 10335 | trans-1,2-Dichloroethene | 156-60-5 | < 1 | 1 | 1 |
| 10335 | 1,2-Dichloropropane | 78-87-5 | < 1 | 1 | 1 |
| 10335 | cis-1,3-Dichloropropene | 10061-01-5 | < 1 | 1 | 1 |
| 10335 | trans-1,3-Dichloropropene | 10061-02-6 | < 1 | 1 | 1 |
| 10335 | Ethanol | 64-17-5 | < 250 | 250 | 1 |
| 10335 | Ethyl t-butyl ether | 637-92-3 | < 1 | 1 | 1 |
| 10335 | Ethylbenzene | 100-41-4 | < 1 | 1 | 1 |
| 10335 | di-Isopropyl ether | 108-20-3 | < 1 | 1 | 1 |
| 10335 | Isopropylbenzene | 98-82-8 | < 5 | 5 | 1 |
| 10335 | p-Isopropyltoluene | 99-87-6 | < 5 | 5 | 1 |
| 10335 | Methyl Tertiary Butyl Ether | 1634-04-4 | 12 | 1 | 1 |
| 10335 | Methylene Chloride | 75-09-2 | < 4 | 4 | 1 |
| 10335 | Naphthalene | 91-20-3 | < 5 | 5 | 1 |
| 10335 | n-Propylbenzene | 103-65-1 | < 5 | 5 | 1 |
| 10335 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 1 | 1 | 1 |
| 10335 | Tetrachloroethene | 127-18-4 | < 1 | 1 | 1 |
| 10335 | Toluene | 108-88-3 | < 1 | 1 | 1 |
| 10335 | 1,1,1-Trichloroethane | 71-55-6 | < 1 | 1 | 1 |
| 10335 | 1,1,2-Trichloroethane | 79-00-5 | < 1 | 1 | 1 |
| 10335 | Trichloroethene | 79-01-6 | < 1 | 1 | 1 |



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Sample Description: BR-1 Grab Water
Perryville, MD
Southside Oil 20025

LL Sample # WW 8420985
LL Group # 1670862
Account # 12152

Project Name: Southside Oil 20025

Collected: 06/09/2016 10:30 by SP

Kleinfelder

550 West C Street, Suite 1200
San Diego CA 92101

Submitted: 06/10/2016 16:35

Reported: 06/22/2016 13:59

PRYB1

| CAT No. | Analysis Name | CAS Number | Result | Limit of Quantitation | Dilution Factor |
|---|------------------------|------------|--------|-----------------------|-----------------|
| GC/MS Volatiles SW-846 8260B | | | | | |
| 10335 | Trichlorofluoromethane | 75-69-4 | < 1 | 1 | 1 |
| 10335 | 1,2,4-Trimethylbenzene | 95-63-6 | < 5 | 5 | 1 |
| 10335 | 1,3,5-Trimethylbenzene | 108-67-8 | < 5 | 5 | 1 |
| 10335 | Vinyl Chloride | 75-01-4 | < 1 | 1 | 1 |
| 10335 | Xylene (Total) | 1330-20-7 | < 1 | 1 | 1 |
| GC Petroleum Hydrocarbons SW-846 8015B | | | | | |
| 12858 | DRO C10-C28 | n.a. | < 0.10 | 0.10 | 1 |

Sample Comments

Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---------|--------------------------------|--------------|--------|------------|------------------------|--------------------|-----------------|
| 10335 | VOC 8260 Kleinfelder Full+EtOH | SW-846 8260B | 1 | W161652AA | 06/14/2016 04:48 | Kevin Kelly | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | W161652AA | 06/14/2016 04:48 | Kevin Kelly | 1 |
| 12858 | TPH-DRO water C10-C28 | SW-846 8015B | 1 | 161690006A | 06/20/2016 13:42 | Christine E Dolman | 1 |
| 12059 | Microextraction - DRO (waters) | SW-846 3511 | 2 | 161690006A | 06/18/2016 06:25 | Maria Davenport | 1 |

Quality Control Summary

Client Name: Kleinfelder
Reported: 06/22/2016 13:59

Group Number: 1670862

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

Method Blank

| Analysis Name | Result | LOQ |
|-----------------------------|-----------------------------------|------|
| | ug/l | ug/l |
| Batch number: W161652AA | Sample number(s): 8420975-8420985 | |
| Acetone | < 20 | 20 |
| Acrolein | < 100 | 100 |
| Acrylonitrile | < 20 | 20 |
| t-Amyl methyl ether | < 1 | 1 |
| Benzene | < 1 | 1 |
| Bromodichloromethane | < 1 | 1 |
| Bromoform | < 4 | 4 |
| Bromomethane | < 1 | 1 |
| 2-Butanone | < 10 | 10 |
| t-Butyl alcohol | < 20 | 20 |
| n-Butylbenzene | < 5 | 5 |
| sec-Butylbenzene | < 5 | 5 |
| Carbon Tetrachloride | < 1 | 1 |
| Chlorobenzene | < 1 | 1 |
| Chloroethane | < 1 | 1 |
| 2-Chloroethyl Vinyl Ether | < 10 | 10 |
| Chloroform | < 1 | 1 |
| Chloromethane | < 1 | 1 |
| Dibromochloromethane | < 1 | 1 |
| 1,2-Dichlorobenzene | < 5 | 5 |
| 1,3-Dichlorobenzene | < 5 | 5 |
| 1,4-Dichlorobenzene | < 5 | 5 |
| 1,1-Dichloroethane | < 1 | 1 |
| 1,2-Dichloroethane | < 1 | 1 |
| 1,1-Dichloroethene | < 1 | 1 |
| cis-1,2-Dichloroethene | < 1 | 1 |
| trans-1,2-Dichloroethene | < 1 | 1 |
| 1,2-Dichloropropane | < 1 | 1 |
| cis-1,3-Dichloropropene | < 1 | 1 |
| trans-1,3-Dichloropropene | < 1 | 1 |
| Ethanol | < 250 | 250 |
| Ethyl t-butyl ether | < 1 | 1 |
| Ethylbenzene | < 1 | 1 |
| di-Isopropyl ether | < 1 | 1 |
| Isopropylbenzene | < 5 | 5 |
| p-Isopropyltoluene | < 5 | 5 |
| Methyl Tertiary Butyl Ether | < 1 | 1 |
| Methylene Chloride | < 4 | 4 |
| Naphthalene | < 5 | 5 |
| n-Propylbenzene | < 5 | 5 |
| 1,1,2,2-Tetrachloroethane | < 1 | 1 |
| Tetrachloroethene | < 1 | 1 |
| Toluene | < 1 | 1 |

*- Outside of specification

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Quality Control SummaryClient Name: Kleinfelder
Reported: 06/22/2016 13:59

Group Number: 1670862

Method Blank (continued)

| Analysis Name | Result | | LOQ ug/l |
|---|--|------|-------------|
| | ug/l | ug/l | |
| 1,1,1-Trichloroethane | < 1 | | 1 |
| 1,1,2-Trichloroethane | < 1 | | 1 |
| Trichloroethene | < 1 | | 1 |
| Trichlorofluoromethane | < 1 | | 1 |
| 1,2,4-Trimethylbenzene | < 5 | | 5 |
| 1,3,5-Trimethylbenzene | < 5 | | 5 |
| Vinyl Chloride | < 1 | | 1 |
| Xylene (Total) | < 1 | | 1 |
| | | | |
| | | | |
| Batch number: 161630005A DRO C10-C28 | Sample number(s): 8420975, 8420984 | | |
| | < 0.10 | 0.10 | |
| Batch number: 161690006A DRO C10-C28 | Sample number(s): 8420976-8420983, 8420985 | | |
| | < 0.10 | 0.10 | |

LCS/LCSD

| Analysis Name | LCS | Spike | LCS | Spike | LCSD | LCS | LCSD | LCS/LCSD | RPD | RPD |
|---------------------------|-----------------------------------|---------------|--------------|---------------|--------------|------|--------|----------|-----|-----|
| | Added ug/l | Added ug/l | Conc ug/l | Added ug/l | Conc ug/l | %REC | %REC | Limits | | Max |
| Batch number: W161652AA | Sample number(s): 8420975-8420985 | | | | | | | | | |
| Acetone | 150 | 171.67 | 150 | 164.71 | 114 | 110 | 58-138 | 4 | 30 | |
| Acrolein | 150 | 174.5 | 150 | 163.65 | 116 | 109 | 47-134 | 6 | 30 | |
| Acrylonitrile | 100 | 83.97 | 100 | 86.61 | 84 | 87 | 62-121 | 3 | 30 | |
| t-Amyl methyl ether | 20 | 17.02 | 20 | 17.03 | 85 | 85 | 75-120 | 0 | 30 | |
| Benzene | 20 | 20.21 | 20 | 20.18 | 101 | 101 | 78-120 | 0 | 30 | |
| Bromodichloromethane | 20 | 18.5 | 20 | 18.29 | 92 | 91 | 80-120 | 1 | 30 | |
| Bromoform | 20 | 15.78 | 20 | 15.44 | 79 | 77 | 67-120 | 2 | 30 | |
| Bromomethane | 20 | 18.06 | 20 | 17.85 | 90 | 89 | 53-130 | 1 | 30 | |
| 2-Butanone | 150 | 131.04 | 150 | 131.04 | 87 | 87 | 62-131 | 0 | 30 | |
| t-Butyl alcohol | 200 | 165.23 | 200 | 179.87 | 83 | 90 | 78-121 | 8 | 30 | |
| n-Butylbenzene | 20 | 19.51 | 20 | 19.48 | 98 | 97 | 68-120 | 0 | 30 | |
| sec-Butylbenzene | 20 | 20.19 | 20 | 20.29 | 101 | 101 | 68-124 | 0 | 30 | |
| Carbon Tetrachloride | 20 | 17.92 | 20 | 17.71 | 90 | 89 | 74-130 | 1 | 30 | |
| Chlorobenzene | 20 | 20.85 | 20 | 20.42 | 104 | 102 | 80-120 | 2 | 30 | |
| Chloroethane | 20 | 18.83 | 20 | 18.65 | 94 | 93 | 56-120 | 1 | 30 | |
| 2-Chloroethyl Vinyl Ether | 20 | 16.72 | 20 | 16.76 | 84 | 84 | 65-120 | 0 | 30 | |
| Chloroform | 20 | 19.67 | 20 | 19.69 | 98 | 98 | 80-120 | 0 | 30 | |
| Chloromethane | 20 | 18.57 | 20 | 18.9 | 93 | 95 | 65-129 | 2 | 30 | |
| Dibromochloromethane | 20 | 18.28 | 20 | 18.08 | 91 | 90 | 78-120 | 1 | 30 | |
| 1,2-Dichlorobenzene | 20 | 20.17 | 20 | 20.25 | 101 | 101 | 80-120 | 0 | 30 | |
| 1,3-Dichlorobenzene | 20 | 20.19 | 20 | 20.24 | 101 | 101 | 80-120 | 0 | 30 | |
| 1,4-Dichlorobenzene | 20 | 20.49 | 20 | 20.52 | 102 | 103 | 80-120 | 0 | 30 | |
| 1,1-Dichloroethane | 20 | 19.17 | 20 | 19.08 | 96 | 95 | 80-120 | 0 | 30 | |
| 1,2-Dichloroethane | 20 | 18.86 | 20 | 18.97 | 94 | 95 | 72-127 | 1 | 30 | |
| 1,1-Dichloroethene | 20 | 18.05 | 20 | 17.93 | 90 | 90 | 76-124 | 1 | 30 | |
| cis-1,2-Dichloroethene | 20 | 19.8 | 20 | 19.68 | 99 | 98 | 80-120 | 1 | 30 | |

*- Outside of specification

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Quality Control Summary

Client Name: Kleinfelder
Reported: 06/22/2016 13:59

Group Number: 1670862

LCS/LCSD (continued)

| Analysis Name | LCS Spike Added ug/l | LCS Conc ug/l | LCSD Spike Added ug/l | LCSD Conc ug/l | LCS %REC | LCSD %REC | LCS/LCSD Limits | RPD | RPD Max |
|-----------------------------|----------------------------|--|-----------------------------|----------------------|-------------|--------------|--------------------|-----|------------|
| trans-1,2-Dichloroethene | 20 | 19.8 | 20 | 19.43 | 99 | 97 | 80-120 | 2 | 30 |
| 1,2-Dichloropropane | 20 | 20.79 | 20 | 20.64 | 104 | 103 | 80-120 | 1 | 30 |
| cis-1,3-Dichloropropene | 20 | 19.12 | 20 | 18.58 | 96 | 93 | 80-120 | 3 | 30 |
| trans-1,3-Dichloropropene | 20 | 18.78 | 20 | 18.65 | 94 | 93 | 76-120 | 1 | 30 |
| Ethanol | 500 | 382.49 | 500 | 332.16 | 76 | 66 | 47-155 | 14 | 30 |
| Ethyl t-butyl ether | 20 | 17.33 | 20 | 17.42 | 87 | 87 | 69-120 | 1 | 30 |
| Ethylbenzene | 20 | 20.63 | 20 | 20.56 | 103 | 103 | 78-120 | 0 | 30 |
| di-Isopropyl ether | 20 | 18.83 | 20 | 18.9 | 94 | 95 | 70-124 | 0 | 30 |
| Isopropylbenzene | 20 | 20.52 | 20 | 20.31 | 103 | 102 | 80-120 | 1 | 30 |
| p-Isopropyltoluene | 20 | 19.64 | 20 | 19.74 | 98 | 99 | 76-120 | 1 | 30 |
| Methyl Tertiary Butyl Ether | 20 | 17.47 | 20 | 17.42 | 87 | 87 | 75-120 | 0 | 30 |
| Methylene Chloride | 20 | 19.49 | 20 | 19.1 | 97 | 96 | 77-121 | 2 | 30 |
| Naphthalene | 20 | 20.02 | 20 | 19.66 | 100 | 98 | 59-120 | 2 | 30 |
| n-Propylbenzene | 20 | 20.69 | 20 | 20.87 | 103 | 104 | 75-130 | 1 | 30 |
| 1,1,2,2-Tetrachloroethane | 20 | 20.01 | 20 | 20.3 | 100 | 102 | 72-120 | 1 | 30 |
| Tetrachloroethene | 20 | 20.58 | 20 | 20.62 | 103 | 103 | 80-129 | 0 | 30 |
| Toluene | 20 | 20.24 | 20 | 20.16 | 101 | 101 | 80-120 | 0 | 30 |
| 1,1,1-Trichloroethane | 20 | 18.87 | 20 | 18.46 | 94 | 92 | 66-126 | 2 | 30 |
| 1,1,2-Trichloroethane | 20 | 20.03 | 20 | 20.27 | 100 | 101 | 80-120 | 1 | 30 |
| Trichloroethene | 20 | 20.62 | 20 | 20.49 | 103 | 102 | 80-120 | 1 | 30 |
| Trichlorofluoromethane | 20 | 18.33 | 20 | 18.07 | 92 | 90 | 67-129 | 1 | 30 |
| 1,2,4-Trimethylbenzene | 20 | 20.35 | 20 | 20.33 | 102 | 102 | 75-120 | 0 | 30 |
| 1,3,5-Trimethylbenzene | 20 | 19.78 | 20 | 20 | 99 | 100 | 75-120 | 1 | 30 |
| Vinyl Chloride | 20 | 19.03 | 20 | 18.92 | 95 | 95 | 69-120 | 1 | 30 |
| Xylene (Total) | 60 | 60.56 | 60 | 60.54 | 101 | 101 | 80-120 | 0 | 30 |
| | mg/l | mg/l | mg/l | mg/l | | | | | |
| Batch number: 161630005A | | Sample number(s): 8420975, 8420984 | | | | | | | |
| DRO C10-C28 | 2.65 | 2.40 | 2.67 | 2.52 | 90 | 94 | 69-115 | 5 | 20 |
| Batch number: 161690006A | | Sample number(s): 8420976-8420983, 8420985 | | | | | | | |
| DRO C10-C28 | 2.70 | 2.10 | 2.62 | 2.05 | 78 | 78 | 69-115 | 2 | 20 |

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: VOC 8260 Kleinfelder Full+EtOH
Batch number: W161652AA

| Dibromofluoromethane | 1,2-Dichloroethane-d4 | Toluene-d8 | 4-Bromofluorobenzene |
|----------------------|-----------------------|------------|----------------------|
| 8420975 | 96 | 103 | 99 |
| 8420976 | 95 | 102 | 99 |
| 8420977 | 98 | 103 | 98 |
| 8420978 | 96 | 100 | 99 |
| 8420979 | 97 | 103 | 98 |
| 8420980 | 97 | 102 | 99 |
| 8420981 | 97 | 104 | 99 |

*- Outside of specification

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Quality Control SummaryClient Name: Kleinfelder
Reported: 06/22/2016 13:59

Group Number: 1670862

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

| | Dibromofluoromethane | 1,2-Dichloroethane-d4 | Toluene-d8 | 4-Bromofluorobenzene |
|---------|----------------------|-----------------------|------------|----------------------|
| 8420982 | 97 | 103 | 100 | 93 |
| 8420983 | 97 | 103 | 99 | 93 |
| 8420984 | 95 | 100 | 100 | 95 |
| 8420985 | 96 | 101 | 99 | 92 |
| Blank | 96 | 100 | 99 | 94 |
| LCS | 98 | 103 | 100 | 97 |
| LCSD | 97 | 103 | 101 | 97 |
| Limits: | 80-116 | 77-113 | 80-113 | 78-113 |

Analysis Name: TPH-DRO water C10-C28
Batch number: 161630005A

Orthoterphenyl

| | |
|---------|-----|
| 8420975 | 24* |
| 8420984 | 116 |
| Blank | 108 |
| LCS | 101 |
| LCSD | 104 |

Limits: 42-160

Analysis Name: TPH-DRO water C10-C28
Batch number: 161690006A

Orthoterphenyl

| | |
|---------|----|
| 8420976 | 45 |
| 8420977 | 80 |
| 8420978 | 55 |
| 8420979 | 80 |
| 8420980 | 94 |
| 8420981 | 59 |
| 8420982 | 62 |
| 8420983 | 98 |
| 8420985 | 95 |
| Blank | 92 |
| LCS | 83 |
| LCSD | 91 |

Limits: 42-160

*- Outside of specification

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.



Analysis Request/Environmental Services Chain of Custody

For Lancaster Laboratories use only Acct # 12152
 Group #: 64120975-85 Sample #: 1670662

| Client: Southside Oil | Acct. #: | | | | Matrix | | | Analyses Requested | | | | | | For Lab Use Only | | | |
|---|----------------------|--------|----------------|---|-----------------------|-----------|------|--------------------|-------|---|--|--------------------|--|------------------|--|--|--|
| Project Name/#: 20025 - Perryville | PWSID #: | | | | | | | Preservation Codes | | | | | | FSC: | | | |
| Project Manager: Mark C. Steele | P.O. #: 51141-305139 | | | | Total # of Containers | | | | | | | SCR#: | | | | | |
| Sampler: | Quote #: | | | | | | | | | | | | | | | | |
| Name of State where samples were collected: Maryland | | | | | | | | | | | | Preservation Codes | | | | | |
| | | | Date Collected | Time Collected | Grab | Composite | Soil | Water | Other | | | | | | | H=HCl T=Thiosulfate N=HNO3 B=NaOH S=H ₂ SO4 O=Other (Temperature of samples upon receipt if requested) | |
| Sample Identification | | | | | | | | | | | | | | | | Remarks | |
| MW-2 | 6/9/16 | 1100 | X | | | | | X | | | | | | | | NOT SAMPLED SP | |
| MW-4 | 6/9/16 | 1345 | X | | | | | X | | | | | | | | | |
| MW-5 | 6/9/16 | 1120 | X | | | | | X | | | | | | | | | |
| MW-6 | 6/9/16 | 1210 | X | | | | | X | | | | | | | | | |
| MW-8 | | | X | | | | | X | | | | | | | | | |
| MW-10D | 6/9/16 | 1230 | X | | | | | X | | | | | | | | | |
| MW-12 | 6/9/16 | 0830 | X | | | | | X | | | | | | | | | |
| MW-13 | 6/9/16 | 0950 | X | | | | | X | | | | | | | | | |
| MW-14 | 6/9/16 | 0930 | X | | | | | X | | | | | | | | | |
| TF-1 | 6/9/16 | 1320 | X | | | | | X | | | | | | | | | |
| TF-2 | 6/9/16 | 1300 | X | | | | | X | | | | | | | | | |
| TF-3 | | | X | | | | | X | | | | | | | | NOT SAMPLED SP | |
| Turnaround Time Requested (TAT) (please circle): Normal Rush | | | | | | | | | | Relinquished by: <u>Sean Dorell</u> Date <u>6/9/16</u> Time <u>1700</u> Received by: <u>Cooler Room</u> Date <u>6/9/16</u> Time <u>1700</u> | | | | | | | |
| (Rush TAT is subject to Lancaster Laboratories approval and surcharge.) | | | | | | | | | | Relinquished by: <u>V. Wilke</u> Date <u>6/10/16</u> Time <u>1226</u> Received by: <u>✓</u> Date <u>6/10/16</u> Time <u>1226</u> | | | | | | | |
| Date results are needed: _____ | | | | | | | | | | Relinquished by: <u>✓</u> Date <u>6/10/16</u> Time <u>1635</u> Received by: <u>✓</u> Date <u>6/10/16</u> Time <u>1635</u> | | | | | | | |
| Rush results requested by (please circle): Phone Fax E-mail | | | | | | | | | | Relinquished by: <u>✓</u> Date <u>6/10/16</u> Time <u>1635</u> Received by: <u>✓</u> Date <u>6/10/16</u> Time <u>1635</u> | | | | | | | |
| Phone #: _____ Fax #: _____ | | | | | | | | | | Relinquished by: <u>✓</u> Date <u>6/10/16</u> Time <u>1635</u> Received by: <u>✓</u> Date <u>6/10/16</u> Time <u>1635</u> | | | | | | | |
| E-mail address: _____ | | | | | | | | | | Relinquished by: <u>✓</u> Date <u>6/10/16</u> Time <u>1635</u> Received by: <u>✓</u> Date <u>6/10/16</u> Time <u>1635</u> | | | | | | | |
| Data Package Options (please circle if required) | | | | SDG Complete? Yes No | | | | | | Relinquished by: <u>✓</u> Date <u>6/10/16</u> Time <u>1635</u> Received by: <u>✓</u> Date <u>6/10/16</u> Time <u>1635</u> | | | | | | | |
| Type I (validation/NJ reg) | TX-TRRP-13 | | | | | | | | | Relinquished by: <u>✓</u> Date <u>6/10/16</u> Time <u>1635</u> Received by: <u>✓</u> Date <u>6/10/16</u> Time <u>1635</u> | | | | | | | |
| Type II (Tier II) | MA MCP | CT RCP | | | | | | | | Relinquished by: <u>✓</u> Date <u>6/10/16</u> Time <u>1635</u> Received by: <u>✓</u> Date <u>6/10/16</u> Time <u>1635</u> | | | | | | | |
| Type III (Reduced NJ) | | | | State-specific QC (MS/MSD/Dup)? Yes No | | | | | | Relinquished by: <u>✓</u> Date <u>6/10/16</u> Time <u>1635</u> Received by: <u>✓</u> Date <u>6/10/16</u> Time <u>1635</u> | | | | | | | |
| Type IV (CLP SOW) | | | | (If yes, indicate QC sample and submit triplecate volume) | | | | | | Relinquished by: <u>✓</u> Date <u>6/10/16</u> Time <u>1635</u> Received by: <u>✓</u> Date <u>6/10/16</u> Time <u>1635</u> | | | | | | | |
| Type VI (Raw Data Only) | | | | Internal COC required? Yes No | | | | | | Relinquished by: <u>✓</u> Date <u>6/10/16</u> Time <u>1635</u> Received by: <u>✓</u> Date <u>6/10/16</u> Time <u>1635</u> | | | | | | | |

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Copies: White and yellow should accompany samples to Lancaster Laboratories. The pink copy should be retained by the client



Analysis Request/Environmental Services Chain of Custody

For Lancaster Laboratories use only Acct. #: 12152
 Group #: 6420975-85
1670862

| Client: Southside Oil | | | | Acct. #: | Matrix | | | Analyses Requested | | | | For Lab Use Only | | | |
|---|------------|----------------|----------------|--|--------------|------------------|------------------|--------------------|-----------------------|------------------------|--|--------------------|--------------|---|------|
| Project Name/#: 20025 - Perryville | | | | PWSID #: | | | | Preservation Codes | | | | FSC: | | | |
| Project Manager: Mark C. Steele | | | | P.O. #: | 51141-305139 | | | | | | | SCR#: | | | |
| Sampler: Sean Powell | | | | Quote #: | | | | | | | | Preservation Codes | | | |
| Name of State where samples were collected: Maryland | | | | | | | | | | | H=HCl T=Thiosulfate N=HNO3 B=NaOH S=H ₂ SO4 O=Other | | | | |
| Sample Identification | | Date Collected | Time Collected | Grab | Composite | Soil | Water | Other | Total # of Containers | Full List VOC+oxy 8260 | TPH-DRO 8015B | Ethanol 8260 | Remarks | Temperature of samples upon receipt (If requested) | |
| BR-1 | | 6/9/16 | 1030 | X | | | X | | X X X | | | | | | |
| Turnaround Time Requested (TAT) (please circle): Normal Rush | | | | | | | | | | | | | | | |
| (Rush TAT is subject to Lancaster Laboratories approval and surcharge.) | | | | | | | | | | | | | | | |
| Date results are needed: _____ | | | | | | | | | | | | | | | |
| Rush results requested by (please circle): Phone Fax E-mail | | | | | | | | | | | | | | | |
| Phone #: _____ Fax #: _____ | | | | | | | | | | | | | | | |
| E-mail address: _____ | | | | | | | | | | | | | | | |
| Data Package Options (please circle if required) | | SDG Complete? | | | | | | Relinquished by: | | | Date | Time | Received by: | Date | Time |
| Type I (validation/NJ reg) | TX-TRRP-13 | | | Yes No | | | Relinquished by: | | | 6/9/16 | 1700 | Cooler Farm | 6/9/16 | 1700 | |
| Type II (Tier II) | MA MCP | CT RCP | | | | Relinquished by: | | | 6/10/16 | 1700 | Sean Powell | 6/10/16 | 1700 | | |
| Type III (Reduced NJ) | | | | State-specific QC (MS/MSD/Dup)? Yes No | | | Relinquished by: | | | 6/10/16 | 1635 | | 6/10/16 | 1635 | |
| Type IV (CLP SOW) | | | | (If yes, indicated QC sample and submit triplecate volume) | | | Relinquished by: | | | 6/10/16 | 1635 | | 6/10/16 | 1635 | |
| Type VI (Raw Data Only) | | | | Internal COC required? Yes No | | | Relinquished by: | | | 6/10/16 | 1635 | | 6/10/16 | 1635 | |

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Copies: White and yellow should accompany samples to Lancaster Laboratories. The pink copy should be retained by the client

Client: Kleinfelder**Delivery and Receipt Information**

Delivery Method: ELLE Courier Arrival Timestamp: 06/10/2016 16:35
 Number of Packages: 1 Number of Projects: 1
 State/Province of Origin: MD

Arrival Condition Summary

| | | | |
|--------------------------------------|-----|-------------------------------------|-----|
| Shipping Container Sealed: | No | Sample IDs on COC match Containers: | Yes |
| Custody Seal Present: | No | Sample Date/Times match COC: | Yes |
| Samples Chilled: | Yes | VOA Vial Headspace ≥ 6mm: | No |
| Paperwork Enclosed: | Yes | Total Trip Blank Qty: | 0 |
| Samples Intact: | Yes | Air Quality Samples Present: | No |
| Missing Samples: | No | | |
| Extra Samples: | No | | |
| Discrepancy in Container Qty on COC: | No | | |

Unpacked by Melvin Sanchez (8943) at 18:16 on 06/10/2016

Samples Chilled Details

Thermometer Types: *DT = Digital (Temp. Bottle)* *IR = Infrared (Surface Temp)* All Temperatures in °C.

| <u>Cooler #</u> | <u>Thermometer ID</u> | <u>Corrected Temp</u> | <u>Therm. Type</u> | <u>Ice Type</u> | <u>Ice Present?</u> | <u>Ice Container</u> | <u>Elevated Temp?</u> |
|-----------------|-----------------------|-----------------------|--------------------|-----------------|---------------------|----------------------|-----------------------|
| 1 | DT146 | 2.3 | DT | Wet | Y | Bagged | N |

Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

| | | | |
|-------------------------|--|-----------------|----------------------------------|
| RL | Reporting Limit | BMQL | Below Minimum Quantitation Level |
| N.D. | none detected | MPN | Most Probable Number |
| TNTC | Too Numerous To Count | CP Units | cobalt-chloroplatinate units |
| IU | International Units | NTU | nephelometric turbidity units |
| umhos/cm | micromhos/cm | ng | nanogram(s) |
| C | degrees Celsius | F | degrees Fahrenheit |
| meq | milliequivalents | lb. | pound(s) |
| g | gram(s) | kg | kilogram(s) |
| µg | microgram(s) | mg | milligram(s) |
| mL | milliliter(s) | L | liter(s) |
| m3 | cubic meter(s) | µL | microliter(s) |
| | | pg/L | picogram/liter |
| < | less than | | |
| > | greater than | | |
| ppm | parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg) or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter per liter of gas. | | |
| ppb | parts per billion | | |
| Dry weight basis | Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis. | | |

Laboratory Data Qualifiers:

- B - Analyte detected in the blank
- C - Result confirmed by reanalysis
- E - Concentration exceeds the calibration range
- J (or G, I, X) - estimated value \geq the Method Detection Limit (MDL or DL) and < the Limit of Quantitation (LOQ or RL)
- P - Concentration difference between the primary and confirmation column >40%. The lower result is reported.
- U - Analyte was not detected at the value indicated
- V - Concentration difference between the primary and confirmation column >100%. The reporting limit is raised due to this disparity and evident interference...

Additional Organic and Inorganic CLP qualifiers may be used with Form 1 reports as defined by the CLP methods. Qualifiers specific to Dioxin/Furans and PCB Congeners are detailed on the individual Analysis Report.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff.

This report shall not be reproduced except in full, without the written approval of the laboratory.

Times are local to the area of activity. Parameters listed in the 40 CFR Part 136 Table II as "analyze immediately" are not performed within 15 minutes.

WARRANTY AND LIMITS OF LIABILITY - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL, LLC BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL AND (B) WHETHER EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Eurofins Lancaster Laboratories Environmental which includes any conditions that vary from the Standard Terms and Conditions, and Eurofins Lancaster Laboratories Environmental hereby objects to any conflicting terms contained in any acceptance or order submitted by client.

APPENDIX B

Lancaster Laboratories Analytical Report – Potable Well (June 9, 2016)



ANALYTICAL RESULTS

Prepared by:

Eurofins Lancaster Laboratories Environmental
2425 New Holland Pike
Lancaster, PA 17601

Prepared for:

Kleinfelder
550 West C Street, Suite 1200
San Diego CA 92101

Report Date: June 22, 2016

Project: Southside Oil 20025

Submittal Date: 06/10/2016
Group Number: 1670862
PO Number: 51141-305139
State of Sample Origin: MD

Client Sample Description

| | Lancaster Labs <u>(LL) #</u> |
|-------------------|---------------------------------|
| MW-2 Grab Water | 8420975 |
| MW-4 Grab Water | 8420976 |
| MW-5 Grab Water | 8420977 |
| MW-6 Grab Water | 8420978 |
| MW-10D Grab Water | 8420979 |
| MW-12 Grab Water | 8420980 |
| MW-13 Grab Water | 8420981 |
| MW-14 Grab Water | 8420982 |
| TF-1 Grab Water | 8420983 |
| TF-2 Grab Water | 8420984 |
| BR-1 Grab Water | 8420985 |

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

Regulatory agencies do not accredit laboratories for all methods, analytes, and matrices. Our scopes of accreditation can be viewed at <http://www.eurofinsus.com/environment-testing/laboratories/eurofins-lancaster-laboratories-environmental/resources/certifications/>.

Electronic Copy To Kleinfelder
Electronic Copy To Kleinfelder
Electronic Copy To Kleinfelder
Electronic Copy To Kleinfelder

Attn: Paxton Wertz
Attn: Jennifer Kozak
Attn: Venelda Williams
Attn: Mark Steele



Lancaster Laboratories
Environmental

Analysis Report

2425 New Holland Pike, Lancaster, PA 17601 • 717-656-2300 • Fax: 717-656-2681 • www.LancasterLabs.com

Respectfully Submitted,



Amek Carter
Specialist

(717) 556-7252

2425 New Holland Pike, Lancaster, PA 17601 • 717-656-2300 • Fax: 717-656-2681 • www.LancasterLabs.com

Sample Description: MW-2 Grab Water
Perryville, MD
Southside Oil 20025

LL Sample # WW 8420975
LL Group # 1670862
Account # 12152

Project Name: Southside Oil 20025

Collected: 06/09/2016 11:00 by SP

Kleinfelder

Submitted: 06/10/2016 16:35

550 West C Street, Suite 1200
San Diego CA 92101

Reported: 06/22/2016 13:59

PRY02

| CAT No. | Analysis Name | CAS Number | Result | Limit of Quantitation | Dilution Factor |
|--|------------------------------------|------------|-------------|-----------------------|-----------------|
| GC/MS Volatiles | SW-846 8260B | | ug/l | ug/l | |
| 10335 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10335 | Acrolein | 107-02-8 | < 100 | 100 | 1 |
| 10335 | Acrylonitrile | 107-13-1 | < 20 | 20 | 1 |
| 10335 | t-Amyl methyl ether | 994-05-8 | < 1 | 1 | 1 |
| 10335 | Benzene | 71-43-2 | < 1 | 1 | 1 |
| 10335 | Bromodichloromethane | 75-27-4 | < 1 | 1 | 1 |
| 10335 | Bromoform | 75-25-2 | < 4 | 4 | 1 |
| 10335 | Bromomethane | 74-83-9 | < 1 | 1 | 1 |
| 10335 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10335 | t-Butyl alcohol | 75-65-0 | < 20 | 20 | 1 |
| 10335 | n-Butylbenzene | 104-51-8 | < 5 | 5 | 1 |
| 10335 | sec-Butylbenzene | 135-98-8 | < 5 | 5 | 1 |
| 10335 | Carbon Tetrachloride | 56-23-5 | < 1 | 1 | 1 |
| 10335 | Chlorobenzene | 108-90-7 | < 1 | 1 | 1 |
| 10335 | Chloroethane | 75-00-3 | < 1 | 1 | 1 |
| 10335 | 2-Chloroethyl Vinyl Ether | 110-75-8 | < 10 | 10 | 1 |
| 2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample. | | | | | |
| 10335 | Chloroform | 67-66-3 | < 1 | 1 | 1 |
| 10335 | Chloromethane | 74-87-3 | < 1 | 1 | 1 |
| 10335 | Dibromochloromethane | 124-48-1 | < 1 | 1 | 1 |
| 10335 | 1,2-Dichlorobenzene | 95-50-1 | < 5 | 5 | 1 |
| 10335 | 1,3-Dichlorobenzene | 541-73-1 | < 5 | 5 | 1 |
| 10335 | 1,4-Dichlorobenzene | 106-46-7 | < 5 | 5 | 1 |
| 10335 | 1,1-Dichloroethane | 75-34-3 | < 1 | 1 | 1 |
| 10335 | 1,2-Dichloroethane | 107-06-2 | < 1 | 1 | 1 |
| 10335 | 1,1-Dichloroethene | 75-35-4 | < 1 | 1 | 1 |
| 10335 | cis-1,2-Dichloroethene | 156-59-2 | < 1 | 1 | 1 |
| 10335 | trans-1,2-Dichloroethene | 156-60-5 | < 1 | 1 | 1 |
| 10335 | 1,2-Dichloropropane | 78-87-5 | < 1 | 1 | 1 |
| 10335 | cis-1,3-Dichloropropene | 10061-01-5 | < 1 | 1 | 1 |
| 10335 | trans-1,3-Dichloropropene | 10061-02-6 | < 1 | 1 | 1 |
| 10335 | Ethanol | 64-17-5 | < 250 | 250 | 1 |
| 10335 | Ethyl t-butyl ether | 637-92-3 | < 1 | 1 | 1 |
| 10335 | Ethylbenzene | 100-41-4 | < 1 | 1 | 1 |
| 10335 | di-Isopropyl ether | 108-20-3 | < 1 | 1 | 1 |
| 10335 | Isopropylbenzene | 98-82-8 | < 5 | 5 | 1 |
| 10335 | p-Isopropyltoluene | 99-87-6 | < 5 | 5 | 1 |
| 10335 | Methyl Tertiary Butyl Ether | 1634-04-4 | 6 | 1 | 1 |
| 10335 | Methylene Chloride | 75-09-2 | < 4 | 4 | 1 |
| 10335 | Naphthalene | 91-20-3 | < 5 | 5 | 1 |
| 10335 | n-Propylbenzene | 103-65-1 | < 5 | 5 | 1 |
| 10335 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 1 | 1 | 1 |
| 10335 | Tetrachloroethene | 127-18-4 | < 1 | 1 | 1 |
| 10335 | Toluene | 108-88-3 | < 1 | 1 | 1 |
| 10335 | 1,1,1-Trichloroethane | 71-55-6 | < 1 | 1 | 1 |
| 10335 | 1,1,2-Trichloroethane | 79-00-5 | < 1 | 1 | 1 |
| 10335 | Trichloroethene | 79-01-6 | < 1 | 1 | 1 |
| 10335 | Trichlorofluoromethane | 75-69-4 | < 1 | 1 | 1 |



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Sample Description: MW-2 Grab Water
Perryville, MD
Southside Oil 20025

LL Sample # WW 8420975
LL Group # 1670862
Account # 12152

Project Name: Southside Oil 20025

Collected: 06/09/2016 11:00 by SP

Kleinfelder

550 West C Street, Suite 1200
San Diego CA 92101

Submitted: 06/10/2016 16:35

Reported: 06/22/2016 13:59

PRY02

| CAT No. | Analysis Name | CAS Number | Result | Limit of Quantitation | Dilution Factor |
|---------|----------------------------------|---------------------|-------------|-----------------------|-----------------|
| | GC/MS Volatiles | SW-846 8260B | ug/l | ug/l | |
| 10335 | 1,2,4-Trimethylbenzene | 95-63-6 | < 5 | 5 | 1 |
| 10335 | 1,3,5-Trimethylbenzene | 108-67-8 | < 5 | 5 | 1 |
| 10335 | Vinyl Chloride | 75-01-4 | < 1 | 1 | 1 |
| 10335 | Xylene (Total) | 1330-20-7 | < 1 | 1 | 1 |
| | GC Petroleum Hydrocarbons | SW-846 8015B | mg/l | mg/l | |
| 12858 | DRO C10-C28 | n.a. | 0.95 | 0.10 | 1 |

Sample Comments

Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---------|--------------------------------|--------------|--------|------------|------------------------|--------------------|-----------------|
| 10335 | VOC 8260 Kleinfelder Full+EtOH | SW-846 8260B | 1 | W161652AA | 06/14/2016 01:14 | Kevin Kelly | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | W161652AA | 06/14/2016 01:14 | Kevin Kelly | 1 |
| 12858 | TPH-DRO water C10-C28 | SW-846 8015B | 1 | 161630005A | 06/13/2016 23:08 | Christine E Dolman | 1 |
| 12059 | Microextraction - DRO (waters) | SW-846 3511 | 1 | 161630005A | 06/12/2016 11:45 | Kelli M Barto | 1 |

Sample Description: MW-4 Grab Water
Perryville, MD
Southside Oil 20025

LL Sample # WW 8420976
LL Group # 1670862
Account # 12152

Project Name: Southside Oil 20025

Collected: 06/09/2016 13:45 by SP

Kleinfelder

550 West C Street, Suite 1200
San Diego CA 92101

Submitted: 06/10/2016 16:35

Reported: 06/22/2016 13:59

PRY04

| CAT No. | Analysis Name | CAS Number | Result | Limit of Quantitation | Dilution Factor |
|---------|--|---------------------|-------------|-----------------------|-----------------|
| | GC/MS Volatiles | SW-846 8260B | ug/l | ug/l | |
| 10335 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10335 | Acrolein | 107-02-8 | < 100 | 100 | 1 |
| 10335 | Acrylonitrile | 107-13-1 | < 20 | 20 | 1 |
| 10335 | t-Amyl methyl ether | 994-05-8 | 10 | 1 | 1 |
| 10335 | Benzene | 71-43-2 | 8 | 1 | 1 |
| 10335 | Bromodichloromethane | 75-27-4 | < 1 | 1 | 1 |
| 10335 | Bromoform | 75-25-2 | < 4 | 4 | 1 |
| 10335 | Bromomethane | 74-83-9 | < 1 | 1 | 1 |
| 10335 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10335 | t-Butyl alcohol | 75-65-0 | 760 | 20 | 1 |
| 10335 | n-Butylbenzene | 104-51-8 | < 5 | 5 | 1 |
| 10335 | sec-Butylbenzene | 135-98-8 | < 5 | 5 | 1 |
| 10335 | Carbon Tetrachloride | 56-23-5 | < 1 | 1 | 1 |
| 10335 | Chlorobenzene | 108-90-7 | < 1 | 1 | 1 |
| 10335 | Chloroethane | 75-00-3 | < 1 | 1 | 1 |
| 10335 | 2-Chloroethyl Vinyl Ether | 110-75-8 | < 10 | 10 | 1 |
| | 2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample. | | | | |
| 10335 | Chloroform | 67-66-3 | < 1 | 1 | 1 |
| 10335 | Chloromethane | 74-87-3 | < 1 | 1 | 1 |
| 10335 | Dibromochloromethane | 124-48-1 | < 1 | 1 | 1 |
| 10335 | 1,2-Dichlorobenzene | 95-50-1 | < 5 | 5 | 1 |
| 10335 | 1,3-Dichlorobenzene | 541-73-1 | < 5 | 5 | 1 |
| 10335 | 1,4-Dichlorobenzene | 106-46-7 | < 5 | 5 | 1 |
| 10335 | 1,1-Dichloroethane | 75-34-3 | < 1 | 1 | 1 |
| 10335 | 1,2-Dichloroethane | 107-06-2 | < 1 | 1 | 1 |
| 10335 | 1,1-Dichloroethene | 75-35-4 | < 1 | 1 | 1 |
| 10335 | cis-1,2-Dichloroethene | 156-59-2 | < 1 | 1 | 1 |
| 10335 | trans-1,2-Dichloroethene | 156-60-5 | < 1 | 1 | 1 |
| 10335 | 1,2-Dichloropropane | 78-87-5 | < 1 | 1 | 1 |
| 10335 | cis-1,3-Dichloropropene | 10061-01-5 | < 1 | 1 | 1 |
| 10335 | trans-1,3-Dichloropropene | 10061-02-6 | < 1 | 1 | 1 |
| 10335 | Ethanol | 64-17-5 | < 250 | 250 | 1 |
| 10335 | Ethyl t-butyl ether | 637-92-3 | < 1 | 1 | 1 |
| 10335 | Ethylbenzene | 100-41-4 | 3 | 1 | 1 |
| 10335 | di-Isopropyl ether | 108-20-3 | 4 | 1 | 1 |
| 10335 | Isopropylbenzene | 98-82-8 | < 5 | 5 | 1 |
| 10335 | p-Isopropyltoluene | 99-87-6 | < 5 | 5 | 1 |
| 10335 | Methyl Tertiary Butyl Ether | 1634-04-4 | 220 | 1 | 1 |
| 10335 | Methylene Chloride | 75-09-2 | < 4 | 4 | 1 |
| 10335 | Naphthalene | 91-20-3 | < 5 | 5 | 1 |
| 10335 | n-Propylbenzene | 103-65-1 | < 5 | 5 | 1 |
| 10335 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 1 | 1 | 1 |
| 10335 | Tetrachloroethene | 127-18-4 | < 1 | 1 | 1 |
| 10335 | Toluene | 108-88-3 | < 1 | 1 | 1 |
| 10335 | 1,1,1-Trichloroethane | 71-55-6 | < 1 | 1 | 1 |
| 10335 | 1,1,2-Trichloroethane | 79-00-5 | < 1 | 1 | 1 |
| 10335 | Trichloroethene | 79-01-6 | < 1 | 1 | 1 |



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Sample Description: MW-4 Grab Water
Perryville, MD
Southside Oil 20025

LL Sample # WW 8420976
LL Group # 1670862
Account # 12152

Project Name: Southside Oil 20025

Collected: 06/09/2016 13:45 by SP

Kleinfelder

550 West C Street, Suite 1200
San Diego CA 92101

Submitted: 06/10/2016 16:35

Reported: 06/22/2016 13:59

PRY04

| CAT No. | Analysis Name | CAS Number | Result | Limit of Quantitation | Dilution Factor |
|---------|----------------------------------|---------------------|-------------|-----------------------|-----------------|
| | GC/MS Volatiles | SW-846 8260B | ug/l | ug/l | |
| 10335 | Trichlorofluoromethane | 75-69-4 | < 1 | 1 | 1 |
| 10335 | 1,2,4-Trimethylbenzene | 95-63-6 | < 5 | 5 | 1 |
| 10335 | 1,3,5-Trimethylbenzene | 108-67-8 | < 5 | 5 | 1 |
| 10335 | Vinyl Chloride | 75-01-4 | < 1 | 1 | 1 |
| 10335 | Xylene (Total) | 1330-20-7 | 5 | 1 | 1 |
| | GC Petroleum Hydrocarbons | SW-846 8015B | mg/l | mg/l | |
| 12858 | DRO C10-C28 | n.a. | < 0.10 | 0.10 | 1 |

Sample Comments

Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---------|--------------------------------|--------------|--------|------------|------------------------|--------------------|-----------------|
| 10335 | VOC 8260 Kleinfelder Full+EtOH | SW-846 8260B | 1 | W161652AA | 06/14/2016 05:11 | Kevin Kelly | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | W161652AA | 06/14/2016 05:11 | Kevin Kelly | 1 |
| 12858 | TPH-DRO water C10-C28 | SW-846 8015B | 1 | 161690006A | 06/20/2016 10:35 | Christine E Dolman | 1 |
| 12059 | Microextraction - DRO (waters) | SW-846 3511 | 2 | 161690006A | 06/18/2016 06:25 | Maria Davenport | 1 |

Sample Description: MW-5 Grab Water
Perryville, MD
Southside Oil 20025

LL Sample # WW 8420977
LL Group # 1670862
Account # 12152

Project Name: Southside Oil 20025

Collected: 06/09/2016 11:20 by SP

Kleinfelder

Submitted: 06/10/2016 16:35

550 West C Street, Suite 1200
San Diego CA 92101

Reported: 06/22/2016 13:59

PRY05

| CAT No. | Analysis Name | CAS Number | Result | Limit of Quantitation | Dilution Factor |
|--|------------------------------------|------------|-------------|-----------------------|-----------------|
| GC/MS Volatiles | SW-846 8260B | | ug/l | ug/l | |
| 10335 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10335 | Acrolein | 107-02-8 | < 100 | 100 | 1 |
| 10335 | Acrylonitrile | 107-13-1 | < 20 | 20 | 1 |
| 10335 | t-Amyl methyl ether | 994-05-8 | < 1 | 1 | 1 |
| 10335 | Benzene | 71-43-2 | < 1 | 1 | 1 |
| 10335 | Bromodichloromethane | 75-27-4 | < 1 | 1 | 1 |
| 10335 | Bromoform | 75-25-2 | < 4 | 4 | 1 |
| 10335 | Bromomethane | 74-83-9 | < 1 | 1 | 1 |
| 10335 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10335 | t-Butyl alcohol | 75-65-0 | < 20 | 20 | 1 |
| 10335 | n-Butylbenzene | 104-51-8 | < 5 | 5 | 1 |
| 10335 | sec-Butylbenzene | 135-98-8 | < 5 | 5 | 1 |
| 10335 | Carbon Tetrachloride | 56-23-5 | < 1 | 1 | 1 |
| 10335 | Chlorobenzene | 108-90-7 | < 1 | 1 | 1 |
| 10335 | Chloroethane | 75-00-3 | < 1 | 1 | 1 |
| 10335 | 2-Chloroethyl Vinyl Ether | 110-75-8 | < 10 | 10 | 1 |
| 2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample. | | | | | |
| 10335 | Chloroform | 67-66-3 | < 1 | 1 | 1 |
| 10335 | Chloromethane | 74-87-3 | < 1 | 1 | 1 |
| 10335 | Dibromochloromethane | 124-48-1 | < 1 | 1 | 1 |
| 10335 | 1,2-Dichlorobenzene | 95-50-1 | < 5 | 5 | 1 |
| 10335 | 1,3-Dichlorobenzene | 541-73-1 | < 5 | 5 | 1 |
| 10335 | 1,4-Dichlorobenzene | 106-46-7 | < 5 | 5 | 1 |
| 10335 | 1,1-Dichloroethane | 75-34-3 | < 1 | 1 | 1 |
| 10335 | 1,2-Dichloroethane | 107-06-2 | < 1 | 1 | 1 |
| 10335 | 1,1-Dichloroethene | 75-35-4 | < 1 | 1 | 1 |
| 10335 | cis-1,2-Dichloroethene | 156-59-2 | < 1 | 1 | 1 |
| 10335 | trans-1,2-Dichloroethene | 156-60-5 | < 1 | 1 | 1 |
| 10335 | 1,2-Dichloropropane | 78-87-5 | < 1 | 1 | 1 |
| 10335 | cis-1,3-Dichloropropene | 10061-01-5 | < 1 | 1 | 1 |
| 10335 | trans-1,3-Dichloropropene | 10061-02-6 | < 1 | 1 | 1 |
| 10335 | Ethanol | 64-17-5 | < 250 | 250 | 1 |
| 10335 | Ethyl t-butyl ether | 637-92-3 | < 1 | 1 | 1 |
| 10335 | Ethylbenzene | 100-41-4 | < 1 | 1 | 1 |
| 10335 | di-Isopropyl ether | 108-20-3 | < 1 | 1 | 1 |
| 10335 | Isopropylbenzene | 98-82-8 | < 5 | 5 | 1 |
| 10335 | p-Isopropyltoluene | 99-87-6 | < 5 | 5 | 1 |
| 10335 | Methyl Tertiary Butyl Ether | 1634-04-4 | 13 | 1 | 1 |
| 10335 | Methylene Chloride | 75-09-2 | < 4 | 4 | 1 |
| 10335 | Naphthalene | 91-20-3 | < 5 | 5 | 1 |
| 10335 | n-Propylbenzene | 103-65-1 | < 5 | 5 | 1 |
| 10335 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 1 | 1 | 1 |
| 10335 | Tetrachloroethene | 127-18-4 | < 1 | 1 | 1 |
| 10335 | Toluene | 108-88-3 | < 1 | 1 | 1 |
| 10335 | 1,1,1-Trichloroethane | 71-55-6 | < 1 | 1 | 1 |
| 10335 | 1,1,2-Trichloroethane | 79-00-5 | < 1 | 1 | 1 |
| 10335 | Trichloroethene | 79-01-6 | < 1 | 1 | 1 |
| 10335 | Trichlorofluoromethane | 75-69-4 | < 1 | 1 | 1 |



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Sample Description: MW-5 Grab Water
Perryville, MD
Southside Oil 20025

LL Sample # WW 8420977
LL Group # 1670862
Account # 12152

Project Name: Southside Oil 20025

Collected: 06/09/2016 11:20 by SP

Kleinfelder

550 West C Street, Suite 1200
San Diego CA 92101

Submitted: 06/10/2016 16:35

Reported: 06/22/2016 13:59

PRY05

| CAT No. | Analysis Name | CAS Number | Result | Limit of Quantitation | Dilution Factor |
|---------|----------------------------------|---------------------|-------------|-----------------------|-----------------|
| | GC/MS Volatiles | SW-846 8260B | ug/l | ug/l | |
| 10335 | 1,2,4-Trimethylbenzene | 95-63-6 | < 5 | 5 | 1 |
| 10335 | 1,3,5-Trimethylbenzene | 108-67-8 | < 5 | 5 | 1 |
| 10335 | Vinyl Chloride | 75-01-4 | < 1 | 1 | 1 |
| 10335 | Xylene (Total) | 1330-20-7 | < 1 | 1 | 1 |
| | GC Petroleum Hydrocarbons | SW-846 8015B | mg/l | mg/l | |
| 12858 | DRO C10-C28 | n.a. | < 0.10 | 0.10 | 1 |

Sample Comments

Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---------|--------------------------------|--------------|--------|------------|------------------------|--------------------|-----------------|
| 10335 | VOC 8260 Kleinfelder Full+EtOH | SW-846 8260B | 1 | W161652AA | 06/14/2016 01:38 | Kevin Kelly | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | W161652AA | 06/14/2016 01:38 | Kevin Kelly | 1 |
| 12858 | TPH-DRO water C10-C28 | SW-846 8015B | 1 | 161690006A | 06/20/2016 10:59 | Christine E Dolman | 1 |
| 12059 | Microextraction - DRO (waters) | SW-846 3511 | 2 | 161690006A | 06/18/2016 06:25 | Maria Davenport | 1 |

Sample Description: MW-6 Grab Water
Perryville, MD
Southside Oil 20025

LL Sample # WW 8420978
LL Group # 1670862
Account # 12152

Project Name: Southside Oil 20025

Collected: 06/09/2016 12:10 by SP

Kleinfelder

550 West C Street, Suite 1200
San Diego CA 92101

Submitted: 06/10/2016 16:35

Reported: 06/22/2016 13:59

PRY06

| CAT No. | Analysis Name | CAS Number | Result | Limit of Quantitation | Dilution Factor |
|---------|--|---------------------|-------------|-----------------------|-----------------|
| | GC/MS Volatiles | SW-846 8260B | ug/l | ug/l | |
| 10335 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10335 | Acrolein | 107-02-8 | < 100 | 100 | 1 |
| 10335 | Acrylonitrile | 107-13-1 | < 20 | 20 | 1 |
| 10335 | t-Amyl methyl ether | 994-05-8 | 14 | 1 | 1 |
| 10335 | Benzene | 71-43-2 | 4 | 1 | 1 |
| 10335 | Bromodichloromethane | 75-27-4 | < 1 | 1 | 1 |
| 10335 | Bromoform | 75-25-2 | < 4 | 4 | 1 |
| 10335 | Bromomethane | 74-83-9 | < 1 | 1 | 1 |
| 10335 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10335 | t-Butyl alcohol | 75-65-0 | 450 | 20 | 1 |
| 10335 | n-Butylbenzene | 104-51-8 | < 5 | 5 | 1 |
| 10335 | sec-Butylbenzene | 135-98-8 | < 5 | 5 | 1 |
| 10335 | Carbon Tetrachloride | 56-23-5 | < 1 | 1 | 1 |
| 10335 | Chlorobenzene | 108-90-7 | < 1 | 1 | 1 |
| 10335 | Chloroethane | 75-00-3 | < 1 | 1 | 1 |
| 10335 | 2-Chloroethyl Vinyl Ether | 110-75-8 | < 10 | 10 | 1 |
| | 2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample. | | | | |
| 10335 | Chloroform | 67-66-3 | < 1 | 1 | 1 |
| 10335 | Chloromethane | 74-87-3 | < 1 | 1 | 1 |
| 10335 | Dibromochloromethane | 124-48-1 | < 1 | 1 | 1 |
| 10335 | 1,2-Dichlorobenzene | 95-50-1 | < 5 | 5 | 1 |
| 10335 | 1,3-Dichlorobenzene | 541-73-1 | < 5 | 5 | 1 |
| 10335 | 1,4-Dichlorobenzene | 106-46-7 | < 5 | 5 | 1 |
| 10335 | 1,1-Dichloroethane | 75-34-3 | < 1 | 1 | 1 |
| 10335 | 1,2-Dichloroethane | 107-06-2 | < 1 | 1 | 1 |
| 10335 | 1,1-Dichloroethene | 75-35-4 | < 1 | 1 | 1 |
| 10335 | cis-1,2-Dichloroethene | 156-59-2 | < 1 | 1 | 1 |
| 10335 | trans-1,2-Dichloroethene | 156-60-5 | < 1 | 1 | 1 |
| 10335 | 1,2-Dichloropropane | 78-87-5 | < 1 | 1 | 1 |
| 10335 | cis-1,3-Dichloropropene | 10061-01-5 | < 1 | 1 | 1 |
| 10335 | trans-1,3-Dichloropropene | 10061-02-6 | < 1 | 1 | 1 |
| 10335 | Ethanol | 64-17-5 | < 250 | 250 | 1 |
| 10335 | Ethyl t-butyl ether | 637-92-3 | < 1 | 1 | 1 |
| 10335 | Ethylbenzene | 100-41-4 | < 1 | 1 | 1 |
| 10335 | di-Isopropyl ether | 108-20-3 | 3 | 1 | 1 |
| 10335 | Isopropylbenzene | 98-82-8 | < 5 | 5 | 1 |
| 10335 | p-Isopropyltoluene | 99-87-6 | < 5 | 5 | 1 |
| 10335 | Methyl Tertiary Butyl Ether | 1634-04-4 | 220 | 1 | 1 |
| 10335 | Methylene Chloride | 75-09-2 | < 4 | 4 | 1 |
| 10335 | Naphthalene | 91-20-3 | < 5 | 5 | 1 |
| 10335 | n-Propylbenzene | 103-65-1 | < 5 | 5 | 1 |
| 10335 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 1 | 1 | 1 |
| 10335 | Tetrachloroethene | 127-18-4 | < 1 | 1 | 1 |
| 10335 | Toluene | 108-88-3 | < 1 | 1 | 1 |
| 10335 | 1,1,1-Trichloroethane | 71-55-6 | < 1 | 1 | 1 |
| 10335 | 1,1,2-Trichloroethane | 79-00-5 | < 1 | 1 | 1 |
| 10335 | Trichloroethene | 79-01-6 | < 1 | 1 | 1 |



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Sample Description: MW-6 Grab Water
Perryville, MD
Southside Oil 20025

LL Sample # WW 8420978
LL Group # 1670862
Account # 12152

Project Name: Southside Oil 20025

Collected: 06/09/2016 12:10 by SP

Kleinfelder

550 West C Street, Suite 1200
San Diego CA 92101

Submitted: 06/10/2016 16:35

Reported: 06/22/2016 13:59

PRY06

| CAT No. | Analysis Name | CAS Number | Result | Limit of Quantitation | Dilution Factor |
|---|------------------------|------------|--------|-----------------------|-----------------|
| GC/MS Volatiles SW-846 8260B | | | | | |
| 10335 | Trichlorofluoromethane | 75-69-4 | < 1 | 1 | 1 |
| 10335 | 1,2,4-Trimethylbenzene | 95-63-6 | < 5 | 5 | 1 |
| 10335 | 1,3,5-Trimethylbenzene | 108-67-8 | < 5 | 5 | 1 |
| 10335 | Vinyl Chloride | 75-01-4 | < 1 | 1 | 1 |
| 10335 | Xylene (Total) | 1330-20-7 | < 1 | 1 | 1 |
| GC Petroleum Hydrocarbons SW-846 8015B | | | | | |
| 12858 | DRO C10-C28 | n.a. | < 0.10 | 0.10 | 1 |

Sample Comments

Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---------|--------------------------------|--------------|--------|------------|------------------------|--------------------|-----------------|
| 10335 | VOC 8260 Kleinfelder Full+EtOH | SW-846 8260B | 1 | W161652AA | 06/14/2016 02:01 | Kevin Kelly | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | W161652AA | 06/14/2016 02:01 | Kevin Kelly | 1 |
| 12858 | TPH-DRO water C10-C28 | SW-846 8015B | 1 | 161690006A | 06/20/2016 11:22 | Christine E Dolman | 1 |
| 12059 | Microextraction - DRO (waters) | SW-846 3511 | 2 | 161690006A | 06/18/2016 06:25 | Maria Davenport | 1 |

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Sample Description: MW-10D Grab Water
Perryville, MD
Southside Oil 20025

LL Sample # WW 8420979
LL Group # 1670862
Account # 12152

Project Name: Southside Oil 20025

Collected: 06/09/2016 12:30 by SP

Kleinfelder

550 West C Street, Suite 1200
San Diego CA 92101

Submitted: 06/10/2016 16:35

Reported: 06/22/2016 13:59

PRY10

| CAT No. | Analysis Name | CAS Number | Result | Limit of Quantitation | Dilution Factor |
|-----------------|-----------------------------|------------|--|-----------------------|-----------------|
| GC/MS Volatiles | SW-846 8260B | | ug/l | ug/l | |
| 10335 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10335 | Acrolein | 107-02-8 | < 100 | 100 | 1 |
| 10335 | Acrylonitrile | 107-13-1 | < 20 | 20 | 1 |
| 10335 | t-Amyl methyl ether | 994-05-8 | 3 | 1 | 1 |
| 10335 | Benzene | 71-43-2 | < 1 | 1 | 1 |
| 10335 | Bromodichloromethane | 75-27-4 | < 1 | 1 | 1 |
| 10335 | Bromoform | 75-25-2 | < 4 | 4 | 1 |
| 10335 | Bromomethane | 74-83-9 | < 1 | 1 | 1 |
| 10335 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10335 | t-Butyl alcohol | 75-65-0 | 170 | 20 | 1 |
| 10335 | n-Butylbenzene | 104-51-8 | < 5 | 5 | 1 |
| 10335 | sec-Butylbenzene | 135-98-8 | < 5 | 5 | 1 |
| 10335 | Carbon Tetrachloride | 56-23-5 | < 1 | 1 | 1 |
| 10335 | Chlorobenzene | 108-90-7 | < 1 | 1 | 1 |
| 10335 | Chloroethane | 75-00-3 | < 1 | 1 | 1 |
| 10335 | 2-Chloroethyl Vinyl Ether | 110-75-8 | < 10 | 10 | 1 |
| | | | 2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample. | | |
| 10335 | Chloroform | 67-66-3 | < 1 | 1 | 1 |
| 10335 | Chloromethane | 74-87-3 | < 1 | 1 | 1 |
| 10335 | Dibromochloromethane | 124-48-1 | < 1 | 1 | 1 |
| 10335 | 1,2-Dichlorobenzene | 95-50-1 | < 5 | 5 | 1 |
| 10335 | 1,3-Dichlorobenzene | 541-73-1 | < 5 | 5 | 1 |
| 10335 | 1,4-Dichlorobenzene | 106-46-7 | < 5 | 5 | 1 |
| 10335 | 1,1-Dichloroethane | 75-34-3 | < 1 | 1 | 1 |
| 10335 | 1,2-Dichloroethane | 107-06-2 | < 1 | 1 | 1 |
| 10335 | 1,1-Dichloroethene | 75-35-4 | < 1 | 1 | 1 |
| 10335 | cis-1,2-Dichloroethene | 156-59-2 | < 1 | 1 | 1 |
| 10335 | trans-1,2-Dichloroethene | 156-60-5 | < 1 | 1 | 1 |
| 10335 | 1,2-Dichloropropane | 78-87-5 | < 1 | 1 | 1 |
| 10335 | cis-1,3-Dichloropropene | 10061-01-5 | < 1 | 1 | 1 |
| 10335 | trans-1,3-Dichloropropene | 10061-02-6 | < 1 | 1 | 1 |
| 10335 | Ethanol | 64-17-5 | < 250 | 250 | 1 |
| 10335 | Ethyl t-butyl ether | 637-92-3 | < 1 | 1 | 1 |
| 10335 | Ethylbenzene | 100-41-4 | < 1 | 1 | 1 |
| 10335 | di-Isopropyl ether | 108-20-3 | < 1 | 1 | 1 |
| 10335 | Isopropylbenzene | 98-82-8 | < 5 | 5 | 1 |
| 10335 | p-Isopropyltoluene | 99-87-6 | < 5 | 5 | 1 |
| 10335 | Methyl Tertiary Butyl Ether | 1634-04-4 | 60 | 1 | 1 |
| 10335 | Methylene Chloride | 75-09-2 | < 4 | 4 | 1 |
| 10335 | Naphthalene | 91-20-3 | < 5 | 5 | 1 |
| 10335 | n-Propylbenzene | 103-65-1 | < 5 | 5 | 1 |
| 10335 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 1 | 1 | 1 |
| 10335 | Tetrachloroethene | 127-18-4 | < 1 | 1 | 1 |
| 10335 | Toluene | 108-88-3 | < 1 | 1 | 1 |
| 10335 | 1,1,1-Trichloroethane | 71-55-6 | < 1 | 1 | 1 |
| 10335 | 1,1,2-Trichloroethane | 79-00-5 | < 1 | 1 | 1 |
| 10335 | Trichloroethene | 79-01-6 | < 1 | 1 | 1 |



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Sample Description: MW-10D Grab Water
Perryville, MD
Southside Oil 20025LL Sample # WW 8420979
LL Group # 1670862
Account # 12152**Project Name:** Southside Oil 20025

Collected: 06/09/2016 12:30 by SP

Kleinfelder

550 West C Street, Suite 1200
San Diego CA 92101

Submitted: 06/10/2016 16:35

Reported: 06/22/2016 13:59

PRY10

| CAT No. | Analysis Name | CAS Number | Result | Limit of Quantitation | Dilution Factor |
|---|------------------------|------------|--------|-----------------------|-----------------|
| GC/MS Volatiles SW-846 8260B | | | | | |
| 10335 | Trichlorofluoromethane | 75-69-4 | < 1 | 1 | 1 |
| 10335 | 1,2,4-Trimethylbenzene | 95-63-6 | < 5 | 5 | 1 |
| 10335 | 1,3,5-Trimethylbenzene | 108-67-8 | < 5 | 5 | 1 |
| 10335 | Vinyl Chloride | 75-01-4 | < 1 | 1 | 1 |
| 10335 | Xylene (Total) | 1330-20-7 | < 1 | 1 | 1 |
| GC Petroleum Hydrocarbons SW-846 8015B | | | | | |
| 12858 | DRO C10-C28 | n.a. | < 0.10 | 0.10 | 1 |

Sample Comments

Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---------|--------------------------------|--------------|--------|------------|------------------------|--------------------|-----------------|
| 10335 | VOC 8260 Kleinfelder Full+EtOH | SW-846 8260B | 1 | W161652AA | 06/14/2016 02:25 | Kevin Kelly | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | W161652AA | 06/14/2016 02:25 | Kevin Kelly | 1 |
| 12858 | TPH-DRO water C10-C28 | SW-846 8015B | 1 | 161690006A | 06/20/2016 11:45 | Christine E Dolman | 1 |
| 12059 | Microextraction - DRO (waters) | SW-846 3511 | 2 | 161690006A | 06/18/2016 06:25 | Maria Davenport | 1 |

Sample Description: MW-12 Grab Water
Perryville, MD
Southside Oil 20025

LL Sample # WW 8420980
LL Group # 1670862
Account # 12152

Project Name: Southside Oil 20025

Collected: 06/09/2016 08:30 by SP

Kleinfelder

Submitted: 06/10/2016 16:35

550 West C Street, Suite 1200
San Diego CA 92101

Reported: 06/22/2016 13:59

PRY12

| CAT No. | Analysis Name | CAS Number | Result | Limit of Quantitation | Dilution Factor |
|--|------------------------------------|------------|-------------|-----------------------|-----------------|
| GC/MS Volatiles | SW-846 8260B | | ug/l | ug/l | |
| 10335 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10335 | Acrolein | 107-02-8 | < 100 | 100 | 1 |
| 10335 | Acrylonitrile | 107-13-1 | < 20 | 20 | 1 |
| 10335 | t-Amyl methyl ether | 994-05-8 | < 1 | 1 | 1 |
| 10335 | Benzene | 71-43-2 | < 1 | 1 | 1 |
| 10335 | Bromodichloromethane | 75-27-4 | < 1 | 1 | 1 |
| 10335 | Bromoform | 75-25-2 | < 4 | 4 | 1 |
| 10335 | Bromomethane | 74-83-9 | < 1 | 1 | 1 |
| 10335 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10335 | t-Butyl alcohol | 75-65-0 | < 20 | 20 | 1 |
| 10335 | n-Butylbenzene | 104-51-8 | < 5 | 5 | 1 |
| 10335 | sec-Butylbenzene | 135-98-8 | < 5 | 5 | 1 |
| 10335 | Carbon Tetrachloride | 56-23-5 | < 1 | 1 | 1 |
| 10335 | Chlorobenzene | 108-90-7 | < 1 | 1 | 1 |
| 10335 | Chloroethane | 75-00-3 | < 1 | 1 | 1 |
| 10335 | 2-Chloroethyl Vinyl Ether | 110-75-8 | < 10 | 10 | 1 |
| 2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample. | | | | | |
| 10335 | Chloroform | 67-66-3 | < 1 | 1 | 1 |
| 10335 | Chloromethane | 74-87-3 | < 1 | 1 | 1 |
| 10335 | Dibromochloromethane | 124-48-1 | < 1 | 1 | 1 |
| 10335 | 1,2-Dichlorobenzene | 95-50-1 | < 5 | 5 | 1 |
| 10335 | 1,3-Dichlorobenzene | 541-73-1 | < 5 | 5 | 1 |
| 10335 | 1,4-Dichlorobenzene | 106-46-7 | < 5 | 5 | 1 |
| 10335 | 1,1-Dichloroethane | 75-34-3 | < 1 | 1 | 1 |
| 10335 | 1,2-Dichloroethane | 107-06-2 | < 1 | 1 | 1 |
| 10335 | 1,1-Dichloroethene | 75-35-4 | < 1 | 1 | 1 |
| 10335 | cis-1,2-Dichloroethene | 156-59-2 | < 1 | 1 | 1 |
| 10335 | trans-1,2-Dichloroethene | 156-60-5 | < 1 | 1 | 1 |
| 10335 | 1,2-Dichloropropane | 78-87-5 | < 1 | 1 | 1 |
| 10335 | cis-1,3-Dichloropropene | 10061-01-5 | < 1 | 1 | 1 |
| 10335 | trans-1,3-Dichloropropene | 10061-02-6 | < 1 | 1 | 1 |
| 10335 | Ethanol | 64-17-5 | < 250 | 250 | 1 |
| 10335 | Ethyl t-butyl ether | 637-92-3 | < 1 | 1 | 1 |
| 10335 | Ethylbenzene | 100-41-4 | < 1 | 1 | 1 |
| 10335 | di-Isopropyl ether | 108-20-3 | < 1 | 1 | 1 |
| 10335 | Isopropylbenzene | 98-82-8 | < 5 | 5 | 1 |
| 10335 | p-Isopropyltoluene | 99-87-6 | < 5 | 5 | 1 |
| 10335 | Methyl Tertiary Butyl Ether | 1634-04-4 | 4 | 1 | 1 |
| 10335 | Methylene Chloride | 75-09-2 | < 4 | 4 | 1 |
| 10335 | Naphthalene | 91-20-3 | < 5 | 5 | 1 |
| 10335 | n-Propylbenzene | 103-65-1 | < 5 | 5 | 1 |
| 10335 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 1 | 1 | 1 |
| 10335 | Tetrachloroethene | 127-18-4 | < 1 | 1 | 1 |
| 10335 | Toluene | 108-88-3 | < 1 | 1 | 1 |
| 10335 | 1,1,1-Trichloroethane | 71-55-6 | < 1 | 1 | 1 |
| 10335 | 1,1,2-Trichloroethane | 79-00-5 | < 1 | 1 | 1 |
| 10335 | Trichloroethene | 79-01-6 | < 1 | 1 | 1 |
| 10335 | Trichlorofluoromethane | 75-69-4 | < 1 | 1 | 1 |



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Sample Description: MW-12 Grab Water
Perryville, MD
Southside Oil 20025

LL Sample # WW 8420980
LL Group # 1670862
Account # 12152

Project Name: Southside Oil 20025

Collected: 06/09/2016 08:30 by SP

Kleinfelder

550 West C Street, Suite 1200
San Diego CA 92101

Submitted: 06/10/2016 16:35

Reported: 06/22/2016 13:59

PRY12

| CAT No. | Analysis Name | CAS Number | Result | Limit of Quantitation | Dilution Factor |
|---------|----------------------------------|---------------------|-------------|-----------------------|-----------------|
| | GC/MS Volatiles | SW-846 8260B | ug/l | ug/l | |
| 10335 | 1,2,4-Trimethylbenzene | 95-63-6 | < 5 | 5 | 1 |
| 10335 | 1,3,5-Trimethylbenzene | 108-67-8 | < 5 | 5 | 1 |
| 10335 | Vinyl Chloride | 75-01-4 | < 1 | 1 | 1 |
| 10335 | Xylene (Total) | 1330-20-7 | < 1 | 1 | 1 |
| | GC Petroleum Hydrocarbons | SW-846 8015B | mg/l | mg/l | |
| 12858 | DRO C10-C28 | n.a. | < 0.10 | 0.10 | 1 |

Sample Comments

Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---------|--------------------------------|--------------|--------|------------|------------------------|--------------------|-----------------|
| 10335 | VOC 8260 Kleinfelder Full+EtOH | SW-846 8260B | 1 | W161652AA | 06/14/2016 02:49 | Kevin Kelly | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | W161652AA | 06/14/2016 02:49 | Kevin Kelly | 1 |
| 12858 | TPH-DRO water C10-C28 | SW-846 8015B | 1 | 161690006A | 06/20/2016 12:08 | Christine E Dolman | 1 |
| 12059 | Microextraction - DRO (waters) | SW-846 3511 | 2 | 161690006A | 06/18/2016 06:25 | Maria Davenport | 1 |

Sample Description: MW-13 Grab Water
Perryville, MD
Southside Oil 20025

LL Sample # WW 8420981
LL Group # 1670862
Account # 12152

Project Name: Southside Oil 20025

Collected: 06/09/2016 09:50 by SP

Kleinfelder

550 West C Street, Suite 1200
San Diego CA 92101

Submitted: 06/10/2016 16:35

Reported: 06/22/2016 13:59

PRY13

| CAT No. | Analysis Name | CAS Number | Result | Limit of Quantitation | Dilution Factor |
|--|-----------------------------|------------|--------|-----------------------|-----------------|
| GC/MS Volatiles | SW-846 8260B | | ug/l | ug/l | |
| 10335 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10335 | Acrolein | 107-02-8 | < 100 | 100 | 1 |
| 10335 | Acrylonitrile | 107-13-1 | < 20 | 20 | 1 |
| 10335 | t-Amyl methyl ether | 994-05-8 | < 1 | 1 | 1 |
| 10335 | Benzene | 71-43-2 | < 1 | 1 | 1 |
| 10335 | Bromodichloromethane | 75-27-4 | < 1 | 1 | 1 |
| 10335 | Bromoform | 75-25-2 | < 4 | 4 | 1 |
| 10335 | Bromomethane | 74-83-9 | < 1 | 1 | 1 |
| 10335 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10335 | t-Butyl alcohol | 75-65-0 | < 20 | 20 | 1 |
| 10335 | n-Butylbenzene | 104-51-8 | < 5 | 5 | 1 |
| 10335 | sec-Butylbenzene | 135-98-8 | < 5 | 5 | 1 |
| 10335 | Carbon Tetrachloride | 56-23-5 | < 1 | 1 | 1 |
| 10335 | Chlorobenzene | 108-90-7 | < 1 | 1 | 1 |
| 10335 | Chloroethane | 75-00-3 | < 1 | 1 | 1 |
| 10335 | 2-Chloroethyl Vinyl Ether | 110-75-8 | < 10 | 10 | 1 |
| 2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample. | | | | | |
| 10335 | Chloroform | 67-66-3 | < 1 | 1 | 1 |
| 10335 | Chloromethane | 74-87-3 | < 1 | 1 | 1 |
| 10335 | Dibromochloromethane | 124-48-1 | < 1 | 1 | 1 |
| 10335 | 1,2-Dichlorobenzene | 95-50-1 | < 5 | 5 | 1 |
| 10335 | 1,3-Dichlorobenzene | 541-73-1 | < 5 | 5 | 1 |
| 10335 | 1,4-Dichlorobenzene | 106-46-7 | < 5 | 5 | 1 |
| 10335 | 1,1-Dichloroethane | 75-34-3 | < 1 | 1 | 1 |
| 10335 | 1,2-Dichloroethane | 107-06-2 | < 1 | 1 | 1 |
| 10335 | 1,1-Dichloroethene | 75-35-4 | < 1 | 1 | 1 |
| 10335 | cis-1,2-Dichloroethene | 156-59-2 | < 1 | 1 | 1 |
| 10335 | trans-1,2-Dichloroethene | 156-60-5 | < 1 | 1 | 1 |
| 10335 | 1,2-Dichloropropane | 78-87-5 | < 1 | 1 | 1 |
| 10335 | cis-1,3-Dichloropropene | 10061-01-5 | < 1 | 1 | 1 |
| 10335 | trans-1,3-Dichloropropene | 10061-02-6 | < 1 | 1 | 1 |
| 10335 | Ethanol | 64-17-5 | < 250 | 250 | 1 |
| 10335 | Ethyl t-butyl ether | 637-92-3 | < 1 | 1 | 1 |
| 10335 | Ethylbenzene | 100-41-4 | < 1 | 1 | 1 |
| 10335 | di-Isopropyl ether | 108-20-3 | < 1 | 1 | 1 |
| 10335 | Isopropylbenzene | 98-82-8 | < 5 | 5 | 1 |
| 10335 | p-Isopropyltoluene | 99-87-6 | < 5 | 5 | 1 |
| 10335 | Methyl Tertiary Butyl Ether | 1634-04-4 | < 1 | 1 | 1 |
| 10335 | Methylene Chloride | 75-09-2 | < 4 | 4 | 1 |
| 10335 | Naphthalene | 91-20-3 | < 5 | 5 | 1 |
| 10335 | n-Propylbenzene | 103-65-1 | < 5 | 5 | 1 |
| 10335 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 1 | 1 | 1 |
| 10335 | Tetrachloroethene | 127-18-4 | < 1 | 1 | 1 |
| 10335 | Toluene | 108-88-3 | < 1 | 1 | 1 |
| 10335 | 1,1,1-Trichloroethane | 71-55-6 | < 1 | 1 | 1 |
| 10335 | 1,1,2-Trichloroethane | 79-00-5 | < 1 | 1 | 1 |
| 10335 | Trichloroethene | 79-01-6 | < 1 | 1 | 1 |
| 10335 | Trichlorofluoromethane | 75-69-4 | < 1 | 1 | 1 |
| 10335 | 1,2,4-Trimethylbenzene | 95-63-6 | < 5 | 5 | 1 |



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Sample Description: MW-13 Grab Water
Perryville, MD
Southside Oil 20025

LL Sample # WW 8420981
LL Group # 1670862
Account # 12152

Project Name: Southside Oil 20025

Collected: 06/09/2016 09:50 by SP

Kleinfelder
550 West C Street, Suite 1200
San Diego CA 92101

Submitted: 06/10/2016 16:35

Reported: 06/22/2016 13:59

PRY13

| CAT No. | Analysis Name | CAS Number | Result | Limit of Quantitation | Dilution Factor |
|---------------------------|------------------------|------------|--------|-----------------------|-----------------|
| GC/MS Volatiles | SW-846 8260B | | ug/l | ug/l | |
| 10335 | 1,3,5-Trimethylbenzene | 108-67-8 | < 5 | 5 | 1 |
| 10335 | Vinyl Chloride | 75-01-4 | < 1 | 1 | 1 |
| 10335 | Xylene (Total) | 1330-20-7 | < 1 | 1 | 1 |
| GC Petroleum Hydrocarbons | SW-846 8015B | | mg/l | mg/l | |
| 12858 | DRO C10-C28 | n.a. | < 0.10 | 0.10 | 1 |

Sample Comments

Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---------|--------------------------------|--------------|--------|------------|------------------------|--------------------|-----------------|
| 10335 | VOC 8260 Kleinfelder Full+EtOH | SW-846 8260B | 1 | W161652AA | 06/14/2016 03:13 | Kevin Kelly | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | W161652AA | 06/14/2016 03:13 | Kevin Kelly | 1 |
| 12858 | TPH-DRO water C10-C28 | SW-846 8015B | 1 | 161690006A | 06/20/2016 12:32 | Christine E Dolman | 1 |
| 12059 | Microextraction - DRO (waters) | SW-846 3511 | 2 | 161690006A | 06/18/2016 06:25 | Maria Davenport | 1 |

Sample Description: MW-14 Grab Water
Perryville, MD
Southside Oil 20025

LL Sample # WW 8420982
LL Group # 1670862
Account # 12152

Project Name: Southside Oil 20025

Collected: 06/09/2016 09:30 by SP

Kleinfelder

Submitted: 06/10/2016 16:35

550 West C Street, Suite 1200
San Diego CA 92101

Reported: 06/22/2016 13:59

PRY14

| CAT No. | Analysis Name | CAS Number | Result | Limit of Quantitation | Dilution Factor |
|--|------------------------------------|------------|-------------|-----------------------|-----------------|
| GC/MS Volatiles | SW-846 8260B | | ug/l | ug/l | |
| 10335 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10335 | Acrolein | 107-02-8 | < 100 | 100 | 1 |
| 10335 | Acrylonitrile | 107-13-1 | < 20 | 20 | 1 |
| 10335 | t-Amyl methyl ether | 994-05-8 | < 1 | 1 | 1 |
| 10335 | Benzene | 71-43-2 | < 1 | 1 | 1 |
| 10335 | Bromodichloromethane | 75-27-4 | < 1 | 1 | 1 |
| 10335 | Bromoform | 75-25-2 | < 4 | 4 | 1 |
| 10335 | Bromomethane | 74-83-9 | < 1 | 1 | 1 |
| 10335 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10335 | t-Butyl alcohol | 75-65-0 | < 20 | 20 | 1 |
| 10335 | n-Butylbenzene | 104-51-8 | < 5 | 5 | 1 |
| 10335 | sec-Butylbenzene | 135-98-8 | < 5 | 5 | 1 |
| 10335 | Carbon Tetrachloride | 56-23-5 | < 1 | 1 | 1 |
| 10335 | Chlorobenzene | 108-90-7 | < 1 | 1 | 1 |
| 10335 | Chloroethane | 75-00-3 | < 1 | 1 | 1 |
| 10335 | 2-Chloroethyl Vinyl Ether | 110-75-8 | < 10 | 10 | 1 |
| 2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample. | | | | | |
| 10335 | Chloroform | 67-66-3 | < 1 | 1 | 1 |
| 10335 | Chloromethane | 74-87-3 | < 1 | 1 | 1 |
| 10335 | Dibromochloromethane | 124-48-1 | < 1 | 1 | 1 |
| 10335 | 1,2-Dichlorobenzene | 95-50-1 | < 5 | 5 | 1 |
| 10335 | 1,3-Dichlorobenzene | 541-73-1 | < 5 | 5 | 1 |
| 10335 | 1,4-Dichlorobenzene | 106-46-7 | < 5 | 5 | 1 |
| 10335 | 1,1-Dichloroethane | 75-34-3 | < 1 | 1 | 1 |
| 10335 | 1,2-Dichloroethane | 107-06-2 | < 1 | 1 | 1 |
| 10335 | 1,1-Dichloroethene | 75-35-4 | < 1 | 1 | 1 |
| 10335 | cis-1,2-Dichloroethene | 156-59-2 | < 1 | 1 | 1 |
| 10335 | trans-1,2-Dichloroethene | 156-60-5 | < 1 | 1 | 1 |
| 10335 | 1,2-Dichloropropane | 78-87-5 | < 1 | 1 | 1 |
| 10335 | cis-1,3-Dichloropropene | 10061-01-5 | < 1 | 1 | 1 |
| 10335 | trans-1,3-Dichloropropene | 10061-02-6 | < 1 | 1 | 1 |
| 10335 | Ethanol | 64-17-5 | < 250 | 250 | 1 |
| 10335 | Ethyl t-butyl ether | 637-92-3 | < 1 | 1 | 1 |
| 10335 | Ethylbenzene | 100-41-4 | < 1 | 1 | 1 |
| 10335 | di-Isopropyl ether | 108-20-3 | < 1 | 1 | 1 |
| 10335 | Isopropylbenzene | 98-82-8 | < 5 | 5 | 1 |
| 10335 | p-Isopropyltoluene | 99-87-6 | < 5 | 5 | 1 |
| 10335 | Methyl Tertiary Butyl Ether | 1634-04-4 | 6 | 1 | 1 |
| 10335 | Methylene Chloride | 75-09-2 | < 4 | 4 | 1 |
| 10335 | Naphthalene | 91-20-3 | < 5 | 5 | 1 |
| 10335 | n-Propylbenzene | 103-65-1 | < 5 | 5 | 1 |
| 10335 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 1 | 1 | 1 |
| 10335 | Tetrachloroethene | 127-18-4 | < 1 | 1 | 1 |
| 10335 | Toluene | 108-88-3 | < 1 | 1 | 1 |
| 10335 | 1,1,1-Trichloroethane | 71-55-6 | < 1 | 1 | 1 |
| 10335 | 1,1,2-Trichloroethane | 79-00-5 | < 1 | 1 | 1 |
| 10335 | Trichloroethene | 79-01-6 | < 1 | 1 | 1 |
| 10335 | Trichlorofluoromethane | 75-69-4 | < 1 | 1 | 1 |



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Sample Description: MW-14 Grab Water
Perryville, MD
Southside Oil 20025LL Sample # WW 8420982
LL Group # 1670862
Account # 12152**Project Name:** Southside Oil 20025

Collected: 06/09/2016 09:30 by SP

Kleinfelder

550 West C Street, Suite 1200
San Diego CA 92101

Submitted: 06/10/2016 16:35

Reported: 06/22/2016 13:59

PRY14

| CAT No. | Analysis Name | CAS Number | Result | Limit of Quantitation | Dilution Factor |
|---------------------------|------------------------|------------|--------|-----------------------|-----------------|
| GC/MS Volatiles | SW-846 8260B | | ug/l | ug/l | |
| 10335 | 1,2,4-Trimethylbenzene | 95-63-6 | < 5 | 5 | 1 |
| 10335 | 1,3,5-Trimethylbenzene | 108-67-8 | < 5 | 5 | 1 |
| 10335 | Vinyl Chloride | 75-01-4 | < 1 | 1 | 1 |
| 10335 | Xylene (Total) | 1330-20-7 | < 1 | 1 | 1 |
| GC Petroleum Hydrocarbons | SW-846 8015B | | mg/l | mg/l | |
| 12858 | DRO C10-C28 | n.a. | < 0.10 | 0.10 | 1 |

Sample Comments

Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---------|--------------------------------|--------------|--------|------------|------------------------|--------------------|-----------------|
| 10335 | VOC 8260 Kleinfelder Full+EtOH | SW-846 8260B | 1 | W161652AA | 06/14/2016 03:36 | Kevin Kelly | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | W161652AA | 06/14/2016 03:36 | Kevin Kelly | 1 |
| 12858 | TPH-DRO water C10-C28 | SW-846 8015B | 1 | 161690006A | 06/20/2016 12:55 | Christine E Dolman | 1 |
| 12059 | Microextraction - DRO (waters) | SW-846 3511 | 2 | 161690006A | 06/18/2016 06:25 | Maria Davenport | 1 |

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Sample Description: TF-1 Grab Water
 Perryville, MD
 Southside Oil 20025

LL Sample # WW 8420983
 LL Group # 1670862
 Account # 12152

Project Name: Southside Oil 20025

Collected: 06/09/2016 13:20 by SP

Kleinfelder

550 West C Street, Suite 1200
 San Diego CA 92101

Submitted: 06/10/2016 16:35

Reported: 06/22/2016 13:59

PRYT1

| CAT No. | Analysis Name | CAS Number | Result | Limit of Quantitation | Dilution Factor |
|-----------------|--|------------|-----------|-----------------------|-----------------|
| GC/MS Volatiles | SW-846 8260B | | ug/l | ug/l | |
| 10335 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10335 | Acrolein | 107-02-8 | < 100 | 100 | 1 |
| 10335 | Acrylonitrile | 107-13-1 | < 20 | 20 | 1 |
| 10335 | t-Amyl methyl ether | 994-05-8 | 2 | 1 | 1 |
| 10335 | Benzene | 71-43-2 | 14 | 1 | 1 |
| 10335 | Bromodichloromethane | 75-27-4 | < 1 | 1 | 1 |
| 10335 | Bromoform | 75-25-2 | < 4 | 4 | 1 |
| 10335 | Bromomethane | 74-83-9 | < 1 | 1 | 1 |
| 10335 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10335 | t-Butyl alcohol | 75-65-0 | < 20 | 20 | 1 |
| 10335 | n-Butylbenzene | 104-51-8 | < 5 | 5 | 1 |
| 10335 | sec-Butylbenzene | 135-98-8 | < 5 | 5 | 1 |
| 10335 | Carbon Tetrachloride | 56-23-5 | < 1 | 1 | 1 |
| 10335 | Chlorobenzene | 108-90-7 | < 1 | 1 | 1 |
| 10335 | Chloroethane | 75-00-3 | < 1 | 1 | 1 |
| 10335 | 2-Chloroethyl Vinyl Ether | 110-75-8 | < 10 | 10 | 1 |
| | 2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample. | | | | |
| 10335 | Chloroform | 67-66-3 | < 1 | 1 | 1 |
| 10335 | Chloromethane | 74-87-3 | < 1 | 1 | 1 |
| 10335 | Dibromochloromethane | 124-48-1 | < 1 | 1 | 1 |
| 10335 | 1,2-Dichlorobenzene | 95-50-1 | < 5 | 5 | 1 |
| 10335 | 1,3-Dichlorobenzene | 541-73-1 | < 5 | 5 | 1 |
| 10335 | 1,4-Dichlorobenzene | 106-46-7 | < 5 | 5 | 1 |
| 10335 | 1,1-Dichloroethane | 75-34-3 | < 1 | 1 | 1 |
| 10335 | 1,2-Dichloroethane | 107-06-2 | < 1 | 1 | 1 |
| 10335 | 1,1-Dichloroethene | 75-35-4 | < 1 | 1 | 1 |
| 10335 | cis-1,2-Dichloroethene | 156-59-2 | < 1 | 1 | 1 |
| 10335 | trans-1,2-Dichloroethene | 156-60-5 | < 1 | 1 | 1 |
| 10335 | 1,2-Dichloropropane | 78-87-5 | < 1 | 1 | 1 |
| 10335 | cis-1,3-Dichloropropene | 10061-01-5 | < 1 | 1 | 1 |
| 10335 | trans-1,3-Dichloropropene | 10061-02-6 | < 1 | 1 | 1 |
| 10335 | Ethanol | 64-17-5 | < 250 | 250 | 1 |
| 10335 | Ethyl t-butyl ether | 637-92-3 | < 1 | 1 | 1 |
| 10335 | Ethylbenzene | 100-41-4 | < 1 | 1 | 1 |
| 10335 | di-Isopropyl ether | 108-20-3 | 15 | 1 | 1 |
| 10335 | Isopropylbenzene | 98-82-8 | < 5 | 5 | 1 |
| 10335 | p-Isopropyltoluene | 99-87-6 | < 5 | 5 | 1 |
| 10335 | Methyl Tertiary Butyl Ether | 1634-04-4 | 1 | 1 | 1 |
| 10335 | Methylene Chloride | 75-09-2 | < 4 | 4 | 1 |
| 10335 | Naphthalene | 91-20-3 | < 5 | 5 | 1 |
| 10335 | n-Propylbenzene | 103-65-1 | < 5 | 5 | 1 |
| 10335 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 1 | 1 | 1 |
| 10335 | Tetrachloroethene | 127-18-4 | < 1 | 1 | 1 |
| 10335 | Toluene | 108-88-3 | 6 | 1 | 1 |
| 10335 | 1,1,1-Trichloroethane | 71-55-6 | < 1 | 1 | 1 |
| 10335 | 1,1,2-Trichloroethane | 79-00-5 | < 1 | 1 | 1 |
| 10335 | Trichloroethene | 79-01-6 | 1 | 1 | 1 |



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Sample Description: TF-1 Grab Water
Perryville, MD
Southside Oil 20025

LL Sample # WW 8420983
LL Group # 1670862
Account # 12152

Project Name: Southside Oil 20025

Collected: 06/09/2016 13:20 by SP

Kleinfelder

Submitted: 06/10/2016 16:35

550 West C Street, Suite 1200
San Diego CA 92101

Reported: 06/22/2016 13:59

PRYT1

| CAT No. | Analysis Name | CAS Number | Result | Limit of Quantitation | Dilution Factor |
|---------|----------------------------------|---------------------|-------------|-----------------------|-----------------|
| | GC/MS Volatiles | SW-846 8260B | ug/l | ug/l | |
| 10335 | Trichlorofluoromethane | 75-69-4 | < 1 | 1 | 1 |
| 10335 | 1,2,4-Trimethylbenzene | 95-63-6 | < 5 | 5 | 1 |
| 10335 | 1,3,5-Trimethylbenzene | 108-67-8 | < 5 | 5 | 1 |
| 10335 | Vinyl Chloride | 75-01-4 | < 1 | 1 | 1 |
| 10335 | Xylene (Total) | 1330-20-7 | 3 | 1 | 1 |
| | GC Petroleum Hydrocarbons | SW-846 8015B | mg/l | mg/l | |
| 12858 | DRO C10-C28 | n.a. | 0.12 | 0.10 | 1 |

Sample Comments

Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---------|--------------------------------|--------------|--------|------------|------------------------|--------------------|-----------------|
| 10335 | VOC 8260 Kleinfelder Full+EtOH | SW-846 8260B | 1 | W161652AA | 06/14/2016 04:00 | Kevin Kelly | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | W161652AA | 06/14/2016 04:00 | Kevin Kelly | 1 |
| 12858 | TPH-DRO water C10-C28 | SW-846 8015B | 1 | 161690006A | 06/20/2016 13:18 | Christine E Dolman | 1 |
| 12059 | Microextraction - DRO (waters) | SW-846 3511 | 2 | 161690006A | 06/18/2016 06:25 | Maria Davenport | 1 |

Sample Description: TF-2 Grab Water
 Perryville, MD
 Southside Oil 20025

LL Sample # WW 8420984
 LL Group # 1670862
 Account # 12152

Project Name: Southside Oil 20025

Collected: 06/09/2016 13:00 by SP

Kleinfelder

550 West C Street, Suite 1200
 San Diego CA 92101

Submitted: 06/10/2016 16:35

Reported: 06/22/2016 13:59

PRYT2

| CAT No. | Analysis Name | CAS Number | Result | Limit of Quantitation | Dilution Factor |
|-----------------|-----------------------------|------------|--|-----------------------|-----------------|
| GC/MS Volatiles | SW-846 8260B | | ug/l | ug/l | |
| 10335 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10335 | Acrolein | 107-02-8 | < 100 | 100 | 1 |
| 10335 | Acrylonitrile | 107-13-1 | < 20 | 20 | 1 |
| 10335 | t-Amyl methyl ether | 994-05-8 | < 1 | 1 | 1 |
| 10335 | Benzene | 71-43-2 | < 1 | 1 | 1 |
| 10335 | Bromodichloromethane | 75-27-4 | < 1 | 1 | 1 |
| 10335 | Bromoform | 75-25-2 | < 4 | 4 | 1 |
| 10335 | Bromomethane | 74-83-9 | < 1 | 1 | 1 |
| 10335 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10335 | t-Butyl alcohol | 75-65-0 | < 20 | 20 | 1 |
| 10335 | n-Butylbenzene | 104-51-8 | < 5 | 5 | 1 |
| 10335 | sec-Butylbenzene | 135-98-8 | < 5 | 5 | 1 |
| 10335 | Carbon Tetrachloride | 56-23-5 | < 1 | 1 | 1 |
| 10335 | Chlorobenzene | 108-90-7 | < 1 | 1 | 1 |
| 10335 | Chloroethane | 75-00-3 | < 1 | 1 | 1 |
| 10335 | 2-Chloroethyl Vinyl Ether | 110-75-8 | < 10 | 10 | 1 |
| | | | 2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample. | | |
| 10335 | Chloroform | 67-66-3 | < 1 | 1 | 1 |
| 10335 | Chloromethane | 74-87-3 | < 1 | 1 | 1 |
| 10335 | Dibromochloromethane | 124-48-1 | < 1 | 1 | 1 |
| 10335 | 1,2-Dichlorobenzene | 95-50-1 | < 5 | 5 | 1 |
| 10335 | 1,3-Dichlorobenzene | 541-73-1 | < 5 | 5 | 1 |
| 10335 | 1,4-Dichlorobenzene | 106-46-7 | < 5 | 5 | 1 |
| 10335 | 1,1-Dichloroethane | 75-34-3 | < 1 | 1 | 1 |
| 10335 | 1,2-Dichloroethane | 107-06-2 | < 1 | 1 | 1 |
| 10335 | 1,1-Dichloroethene | 75-35-4 | < 1 | 1 | 1 |
| 10335 | cis-1,2-Dichloroethene | 156-59-2 | < 1 | 1 | 1 |
| 10335 | trans-1,2-Dichloroethene | 156-60-5 | < 1 | 1 | 1 |
| 10335 | 1,2-Dichloropropane | 78-87-5 | < 1 | 1 | 1 |
| 10335 | cis-1,3-Dichloropropene | 10061-01-5 | < 1 | 1 | 1 |
| 10335 | trans-1,3-Dichloropropene | 10061-02-6 | < 1 | 1 | 1 |
| 10335 | Ethanol | 64-17-5 | < 250 | 250 | 1 |
| 10335 | Ethyl t-butyl ether | 637-92-3 | < 1 | 1 | 1 |
| 10335 | Ethylbenzene | 100-41-4 | < 1 | 1 | 1 |
| 10335 | di-Isopropyl ether | 108-20-3 | < 1 | 1 | 1 |
| 10335 | Isopropylbenzene | 98-82-8 | < 5 | 5 | 1 |
| 10335 | p-Isopropyltoluene | 99-87-6 | < 5 | 5 | 1 |
| 10335 | Methyl Tertiary Butyl Ether | 1634-04-4 | < 1 | 1 | 1 |
| 10335 | Methylene Chloride | 75-09-2 | < 4 | 4 | 1 |
| 10335 | Naphthalene | 91-20-3 | < 5 | 5 | 1 |
| 10335 | n-Propylbenzene | 103-65-1 | < 5 | 5 | 1 |
| 10335 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 1 | 1 | 1 |
| 10335 | Tetrachloroethene | 127-18-4 | < 1 | 1 | 1 |
| 10335 | Toluene | 108-88-3 | < 1 | 1 | 1 |
| 10335 | 1,1,1-Trichloroethane | 71-55-6 | < 1 | 1 | 1 |
| 10335 | 1,1,2-Trichloroethane | 79-00-5 | < 1 | 1 | 1 |
| 10335 | Trichloroethene | 79-01-6 | < 1 | 1 | 1 |
| 10335 | Trichlorofluoromethane | 75-69-4 | < 1 | 1 | 1 |
| 10335 | 1,2,4-Trimethylbenzene | 95-63-6 | < 5 | 5 | 1 |



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Sample Description: TF-2 Grab Water
Perryville, MD
Southside Oil 20025

LL Sample # WW 8420984
LL Group # 1670862
Account # 12152

Project Name: Southside Oil 20025

Collected: 06/09/2016 13:00 by SP

Kleinfelder
550 West C Street, Suite 1200
San Diego CA 92101

Submitted: 06/10/2016 16:35

Reported: 06/22/2016 13:59

PRYT2

| CAT No. | Analysis Name | CAS Number | Result | Limit of Quantitation | Dilution Factor |
|---------------------------|------------------------|------------|--------|-----------------------|-----------------|
| GC/MS Volatiles | SW-846 8260B | | ug/l | ug/l | |
| 10335 | 1,3,5-Trimethylbenzene | 108-67-8 | < 5 | 5 | 1 |
| 10335 | Vinyl Chloride | 75-01-4 | < 1 | 1 | 1 |
| 10335 | Xylene (Total) | 1330-20-7 | < 1 | 1 | 1 |
| GC Petroleum Hydrocarbons | SW-846 8015B | | mg/l | mg/l | |
| 12858 | DRO C10-C28 | n.a. | 1.9 | 0.10 | 1 |

Sample Comments

Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---------|--------------------------------|--------------|--------|------------|------------------------|--------------------|-----------------|
| 10335 | VOC 8260 Kleinfelder Full+EtOH | SW-846 8260B | 1 | W161652AA | 06/14/2016 04:24 | Kevin Kelly | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | W161652AA | 06/14/2016 04:24 | Kevin Kelly | 1 |
| 12858 | TPH-DRO water C10-C28 | SW-846 8015B | 1 | 161630005A | 06/14/2016 02:40 | Christine E Dolman | 1 |
| 12059 | Microextraction - DRO (waters) | SW-846 3511 | 1 | 161630005A | 06/12/2016 11:45 | Kelli M Barto | 1 |

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Sample Description: BR-1 Grab Water
Perryville, MD
Southside Oil 20025

LL Sample # WW 8420985
LL Group # 1670862
Account # 12152

Project Name: Southside Oil 20025

Collected: 06/09/2016 10:30 by SP

Kleinfelder

550 West C Street, Suite 1200
San Diego CA 92101

Submitted: 06/10/2016 16:35

Reported: 06/22/2016 13:59

PRYB1

| CAT No. | Analysis Name | CAS Number | Result | Limit of Quantitation | Dilution Factor |
|---------|--|---------------------|-------------|-----------------------|-----------------|
| | GC/MS Volatiles | SW-846 8260B | ug/l | ug/l | |
| 10335 | Acetone | 67-64-1 | < 20 | 20 | 1 |
| 10335 | Acrolein | 107-02-8 | < 100 | 100 | 1 |
| 10335 | Acrylonitrile | 107-13-1 | < 20 | 20 | 1 |
| 10335 | t-Amyl methyl ether | 994-05-8 | < 1 | 1 | 1 |
| 10335 | Benzene | 71-43-2 | < 1 | 1 | 1 |
| 10335 | Bromodichloromethane | 75-27-4 | < 1 | 1 | 1 |
| 10335 | Bromoform | 75-25-2 | < 4 | 4 | 1 |
| 10335 | Bromomethane | 74-83-9 | < 1 | 1 | 1 |
| 10335 | 2-Butanone | 78-93-3 | < 10 | 10 | 1 |
| 10335 | t-Butyl alcohol | 75-65-0 | 30 | 20 | 1 |
| 10335 | n-Butylbenzene | 104-51-8 | < 5 | 5 | 1 |
| 10335 | sec-Butylbenzene | 135-98-8 | < 5 | 5 | 1 |
| 10335 | Carbon Tetrachloride | 56-23-5 | < 1 | 1 | 1 |
| 10335 | Chlorobenzene | 108-90-7 | < 1 | 1 | 1 |
| 10335 | Chloroethane | 75-00-3 | < 1 | 1 | 1 |
| 10335 | 2-Chloroethyl Vinyl Ether | 110-75-8 | < 10 | 10 | 1 |
| | 2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample. | | | | |
| 10335 | Chloroform | 67-66-3 | < 1 | 1 | 1 |
| 10335 | Chloromethane | 74-87-3 | < 1 | 1 | 1 |
| 10335 | Dibromochloromethane | 124-48-1 | < 1 | 1 | 1 |
| 10335 | 1,2-Dichlorobenzene | 95-50-1 | < 5 | 5 | 1 |
| 10335 | 1,3-Dichlorobenzene | 541-73-1 | < 5 | 5 | 1 |
| 10335 | 1,4-Dichlorobenzene | 106-46-7 | < 5 | 5 | 1 |
| 10335 | 1,1-Dichloroethane | 75-34-3 | < 1 | 1 | 1 |
| 10335 | 1,2-Dichloroethane | 107-06-2 | < 1 | 1 | 1 |
| 10335 | 1,1-Dichloroethene | 75-35-4 | < 1 | 1 | 1 |
| 10335 | cis-1,2-Dichloroethene | 156-59-2 | < 1 | 1 | 1 |
| 10335 | trans-1,2-Dichloroethene | 156-60-5 | < 1 | 1 | 1 |
| 10335 | 1,2-Dichloropropane | 78-87-5 | < 1 | 1 | 1 |
| 10335 | cis-1,3-Dichloropropene | 10061-01-5 | < 1 | 1 | 1 |
| 10335 | trans-1,3-Dichloropropene | 10061-02-6 | < 1 | 1 | 1 |
| 10335 | Ethanol | 64-17-5 | < 250 | 250 | 1 |
| 10335 | Ethyl t-butyl ether | 637-92-3 | < 1 | 1 | 1 |
| 10335 | Ethylbenzene | 100-41-4 | < 1 | 1 | 1 |
| 10335 | di-Isopropyl ether | 108-20-3 | < 1 | 1 | 1 |
| 10335 | Isopropylbenzene | 98-82-8 | < 5 | 5 | 1 |
| 10335 | p-Isopropyltoluene | 99-87-6 | < 5 | 5 | 1 |
| 10335 | Methyl Tertiary Butyl Ether | 1634-04-4 | 12 | 1 | 1 |
| 10335 | Methylene Chloride | 75-09-2 | < 4 | 4 | 1 |
| 10335 | Naphthalene | 91-20-3 | < 5 | 5 | 1 |
| 10335 | n-Propylbenzene | 103-65-1 | < 5 | 5 | 1 |
| 10335 | 1,1,2,2-Tetrachloroethane | 79-34-5 | < 1 | 1 | 1 |
| 10335 | Tetrachloroethene | 127-18-4 | < 1 | 1 | 1 |
| 10335 | Toluene | 108-88-3 | < 1 | 1 | 1 |
| 10335 | 1,1,1-Trichloroethane | 71-55-6 | < 1 | 1 | 1 |
| 10335 | 1,1,2-Trichloroethane | 79-00-5 | < 1 | 1 | 1 |
| 10335 | Trichloroethene | 79-01-6 | < 1 | 1 | 1 |



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Sample Description: BR-1 Grab Water
Perryville, MD
Southside Oil 20025

LL Sample # WW 8420985
LL Group # 1670862
Account # 12152

Project Name: Southside Oil 20025

Collected: 06/09/2016 10:30 by SP

Kleinfelder

550 West C Street, Suite 1200
San Diego CA 92101

Submitted: 06/10/2016 16:35

Reported: 06/22/2016 13:59

PRYB1

| CAT No. | Analysis Name | CAS Number | Result | Limit of Quantitation | Dilution Factor |
|---|------------------------|------------|--------|-----------------------|-----------------|
| GC/MS Volatiles SW-846 8260B | | | | | |
| 10335 | Trichlorofluoromethane | 75-69-4 | < 1 | 1 | 1 |
| 10335 | 1,2,4-Trimethylbenzene | 95-63-6 | < 5 | 5 | 1 |
| 10335 | 1,3,5-Trimethylbenzene | 108-67-8 | < 5 | 5 | 1 |
| 10335 | Vinyl Chloride | 75-01-4 | < 1 | 1 | 1 |
| 10335 | Xylene (Total) | 1330-20-7 | < 1 | 1 | 1 |
| GC Petroleum Hydrocarbons SW-846 8015B | | | | | |
| 12858 | DRO C10-C28 | n.a. | < 0.10 | 0.10 | 1 |

Sample Comments

Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---------|--------------------------------|--------------|--------|------------|------------------------|--------------------|-----------------|
| 10335 | VOC 8260 Kleinfelder Full+EtOH | SW-846 8260B | 1 | W161652AA | 06/14/2016 04:48 | Kevin Kelly | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | W161652AA | 06/14/2016 04:48 | Kevin Kelly | 1 |
| 12858 | TPH-DRO water C10-C28 | SW-846 8015B | 1 | 161690006A | 06/20/2016 13:42 | Christine E Dolman | 1 |
| 12059 | Microextraction - DRO (waters) | SW-846 3511 | 2 | 161690006A | 06/18/2016 06:25 | Maria Davenport | 1 |

Quality Control Summary

Client Name: Kleinfelder
Reported: 06/22/2016 13:59

Group Number: 1670862

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

Method Blank

| Analysis Name | Result | LOQ |
|-----------------------------|-----------------------------------|------|
| | ug/l | ug/l |
| Batch number: W161652AA | Sample number(s): 8420975-8420985 | |
| Acetone | < 20 | 20 |
| Acrolein | < 100 | 100 |
| Acrylonitrile | < 20 | 20 |
| t-Amyl methyl ether | < 1 | 1 |
| Benzene | < 1 | 1 |
| Bromodichloromethane | < 1 | 1 |
| Bromoform | < 4 | 4 |
| Bromomethane | < 1 | 1 |
| 2-Butanone | < 10 | 10 |
| t-Butyl alcohol | < 20 | 20 |
| n-Butylbenzene | < 5 | 5 |
| sec-Butylbenzene | < 5 | 5 |
| Carbon Tetrachloride | < 1 | 1 |
| Chlorobenzene | < 1 | 1 |
| Chloroethane | < 1 | 1 |
| 2-Chloroethyl Vinyl Ether | < 10 | 10 |
| Chloroform | < 1 | 1 |
| Chloromethane | < 1 | 1 |
| Dibromochloromethane | < 1 | 1 |
| 1,2-Dichlorobenzene | < 5 | 5 |
| 1,3-Dichlorobenzene | < 5 | 5 |
| 1,4-Dichlorobenzene | < 5 | 5 |
| 1,1-Dichloroethane | < 1 | 1 |
| 1,2-Dichloroethane | < 1 | 1 |
| 1,1-Dichloroethene | < 1 | 1 |
| cis-1,2-Dichloroethene | < 1 | 1 |
| trans-1,2-Dichloroethene | < 1 | 1 |
| 1,2-Dichloropropane | < 1 | 1 |
| cis-1,3-Dichloropropene | < 1 | 1 |
| trans-1,3-Dichloropropene | < 1 | 1 |
| Ethanol | < 250 | 250 |
| Ethyl t-butyl ether | < 1 | 1 |
| Ethylbenzene | < 1 | 1 |
| di-Isopropyl ether | < 1 | 1 |
| Isopropylbenzene | < 5 | 5 |
| p-Isopropyltoluene | < 5 | 5 |
| Methyl Tertiary Butyl Ether | < 1 | 1 |
| Methylene Chloride | < 4 | 4 |
| Naphthalene | < 5 | 5 |
| n-Propylbenzene | < 5 | 5 |
| 1,1,2,2-Tetrachloroethane | < 1 | 1 |
| Tetrachloroethene | < 1 | 1 |
| Toluene | < 1 | 1 |

*- Outside of specification

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Quality Control Summary

Client Name: Kleinfelder
Reported: 06/22/2016 13:59

Group Number: 1670862

Method Blank (continued)

| Analysis Name | Result | LOQ |
|--------------------------|--|------|
| | ug/l | ug/l |
| 1,1,1-Trichloroethane | < 1 | 1 |
| 1,1,2-Trichloroethane | < 1 | 1 |
| Trichloroethene | < 1 | 1 |
| Trichlorofluoromethane | < 1 | 1 |
| 1,2,4-Trimethylbenzene | < 5 | 5 |
| 1,3,5-Trimethylbenzene | < 5 | 5 |
| Vinyl Chloride | < 1 | 1 |
| Xylene (Total) | < 1 | 1 |
| | mg/l | mg/l |
| Batch number: 161630005A | Sample number(s): 8420975, 8420984 | |
| DRO C10-C28 | < 0.10 | 0.10 |
| Batch number: 161690006A | Sample number(s): 8420976-8420983, 8420985 | |
| DRO C10-C28 | < 0.10 | 0.10 |

LCS/LCSD

| Analysis Name | LCS Spike Added ug/l | LCS Conc ug/l | LCSD Spike Added ug/l | LCSD Conc ug/l | LCS %REC | LCSD %REC | LCS/LCSD Limits | RPD | RPD Max |
|---------------------------|-----------------------------------|---------------------|-----------------------------|----------------------|-------------|--------------|--------------------|-----|------------|
| | ug/l | ug/l | ug/l | ug/l | | | | | |
| Batch number: W161652AA | Sample number(s): 8420975-8420985 | | | | | | | | |
| Acetone | 150 | 171.67 | 150 | 164.71 | 114 | 110 | 58-138 | 4 | 30 |
| Acrolein | 150 | 174.5 | 150 | 163.65 | 116 | 109 | 47-134 | 6 | 30 |
| Acrylonitrile | 100 | 83.97 | 100 | 86.61 | 84 | 87 | 62-121 | 3 | 30 |
| t-Amyl methyl ether | 20 | 17.02 | 20 | 17.03 | 85 | 85 | 75-120 | 0 | 30 |
| Benzene | 20 | 20.21 | 20 | 20.18 | 101 | 101 | 78-120 | 0 | 30 |
| Bromodichloromethane | 20 | 18.5 | 20 | 18.29 | 92 | 91 | 80-120 | 1 | 30 |
| Bromoform | 20 | 15.78 | 20 | 15.44 | 79 | 77 | 67-120 | 2 | 30 |
| Bromomethane | 20 | 18.06 | 20 | 17.85 | 90 | 89 | 53-130 | 1 | 30 |
| 2-Butanone | 150 | 131.04 | 150 | 131.04 | 87 | 87 | 62-131 | 0 | 30 |
| t-Butyl alcohol | 200 | 165.23 | 200 | 179.87 | 83 | 90 | 78-121 | 8 | 30 |
| n-Butylbenzene | 20 | 19.51 | 20 | 19.48 | 98 | 97 | 68-120 | 0 | 30 |
| sec-Butylbenzene | 20 | 20.19 | 20 | 20.29 | 101 | 101 | 68-124 | 0 | 30 |
| Carbon Tetrachloride | 20 | 17.92 | 20 | 17.71 | 90 | 89 | 74-130 | 1 | 30 |
| Chlorobenzene | 20 | 20.85 | 20 | 20.42 | 104 | 102 | 80-120 | 2 | 30 |
| Chloroethane | 20 | 18.83 | 20 | 18.65 | 94 | 93 | 56-120 | 1 | 30 |
| 2-Chloroethyl Vinyl Ether | 20 | 16.72 | 20 | 16.76 | 84 | 84 | 65-120 | 0 | 30 |
| Chloroform | 20 | 19.67 | 20 | 19.69 | 98 | 98 | 80-120 | 0 | 30 |
| Chloromethane | 20 | 18.57 | 20 | 18.9 | 93 | 95 | 65-129 | 2 | 30 |
| Dibromochloromethane | 20 | 18.28 | 20 | 18.08 | 91 | 90 | 78-120 | 1 | 30 |
| 1,2-Dichlorobenzene | 20 | 20.17 | 20 | 20.25 | 101 | 101 | 80-120 | 0 | 30 |
| 1,3-Dichlorobenzene | 20 | 20.19 | 20 | 20.24 | 101 | 101 | 80-120 | 0 | 30 |
| 1,4-Dichlorobenzene | 20 | 20.49 | 20 | 20.52 | 102 | 103 | 80-120 | 0 | 30 |
| 1,1-Dichloroethane | 20 | 19.17 | 20 | 19.08 | 96 | 95 | 80-120 | 0 | 30 |
| 1,2-Dichloroethane | 20 | 18.86 | 20 | 18.97 | 94 | 95 | 72-127 | 1 | 30 |
| 1,1-Dichloroethene | 20 | 18.05 | 20 | 17.93 | 90 | 90 | 76-124 | 1 | 30 |
| cis-1,2-Dichloroethene | 20 | 19.8 | 20 | 19.68 | 99 | 98 | 80-120 | 1 | 30 |

*- Outside of specification

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Quality Control Summary

Client Name: Kleinfelder
Reported: 06/22/2016 13:59

Group Number: 1670862

LCS/LCSD (continued)

| Analysis Name | LCS Spike Added ug/l | LCS Conc ug/l | LCSD Spike Added ug/l | LCSD Conc ug/l | LCS %REC | LCSD %REC | LCS/LCSD Limits | RPD | RPD Max |
|-----------------------------|----------------------------|--|-----------------------------|----------------------|-------------|--------------|--------------------|-----|------------|
| trans-1,2-Dichloroethene | 20 | 19.8 | 20 | 19.43 | 99 | 97 | 80-120 | 2 | 30 |
| 1,2-Dichloropropane | 20 | 20.79 | 20 | 20.64 | 104 | 103 | 80-120 | 1 | 30 |
| cis-1,3-Dichloropropene | 20 | 19.12 | 20 | 18.58 | 96 | 93 | 80-120 | 3 | 30 |
| trans-1,3-Dichloropropene | 20 | 18.78 | 20 | 18.65 | 94 | 93 | 76-120 | 1 | 30 |
| Ethanol | 500 | 382.49 | 500 | 332.16 | 76 | 66 | 47-155 | 14 | 30 |
| Ethyl t-butyl ether | 20 | 17.33 | 20 | 17.42 | 87 | 87 | 69-120 | 1 | 30 |
| Ethylbenzene | 20 | 20.63 | 20 | 20.56 | 103 | 103 | 78-120 | 0 | 30 |
| di-Isopropyl ether | 20 | 18.83 | 20 | 18.9 | 94 | 95 | 70-124 | 0 | 30 |
| Isopropylbenzene | 20 | 20.52 | 20 | 20.31 | 103 | 102 | 80-120 | 1 | 30 |
| p-Isopropyltoluene | 20 | 19.64 | 20 | 19.74 | 98 | 99 | 76-120 | 1 | 30 |
| Methyl Tertiary Butyl Ether | 20 | 17.47 | 20 | 17.42 | 87 | 87 | 75-120 | 0 | 30 |
| Methylene Chloride | 20 | 19.49 | 20 | 19.1 | 97 | 96 | 77-121 | 2 | 30 |
| Naphthalene | 20 | 20.02 | 20 | 19.66 | 100 | 98 | 59-120 | 2 | 30 |
| n-Propylbenzene | 20 | 20.69 | 20 | 20.87 | 103 | 104 | 75-130 | 1 | 30 |
| 1,1,2,2-Tetrachloroethane | 20 | 20.01 | 20 | 20.3 | 100 | 102 | 72-120 | 1 | 30 |
| Tetrachloroethene | 20 | 20.58 | 20 | 20.62 | 103 | 103 | 80-129 | 0 | 30 |
| Toluene | 20 | 20.24 | 20 | 20.16 | 101 | 101 | 80-120 | 0 | 30 |
| 1,1,1-Trichloroethane | 20 | 18.87 | 20 | 18.46 | 94 | 92 | 66-126 | 2 | 30 |
| 1,1,2-Trichloroethane | 20 | 20.03 | 20 | 20.27 | 100 | 101 | 80-120 | 1 | 30 |
| Trichloroethene | 20 | 20.62 | 20 | 20.49 | 103 | 102 | 80-120 | 1 | 30 |
| Trichlorofluoromethane | 20 | 18.33 | 20 | 18.07 | 92 | 90 | 67-129 | 1 | 30 |
| 1,2,4-Trimethylbenzene | 20 | 20.35 | 20 | 20.33 | 102 | 102 | 75-120 | 0 | 30 |
| 1,3,5-Trimethylbenzene | 20 | 19.78 | 20 | 20 | 99 | 100 | 75-120 | 1 | 30 |
| Vinyl Chloride | 20 | 19.03 | 20 | 18.92 | 95 | 95 | 69-120 | 1 | 30 |
| Xylene (Total) | 60 | 60.56 | 60 | 60.54 | 101 | 101 | 80-120 | 0 | 30 |
| | mg/l | mg/l | mg/l | mg/l | | | | | |
| Batch number: 161630005A | | Sample number(s): 8420975, 8420984 | | | | | | | |
| DRO C10-C28 | 2.65 | 2.40 | 2.67 | 2.52 | 90 | 94 | 69-115 | 5 | 20 |
| Batch number: 161690006A | | Sample number(s): 8420976-8420983, 8420985 | | | | | | | |
| DRO C10-C28 | 2.70 | 2.10 | 2.62 | 2.05 | 78 | 78 | 69-115 | 2 | 20 |

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: VOC 8260 Kleinfelder Full+EtOH
Batch number: W161652AA

| Dibromofluoromethane | 1,2-Dichloroethane-d4 | Toluene-d8 | 4-Bromofluorobenzene |
|----------------------|-----------------------|------------|----------------------|
| 8420975 | 96 | 103 | 99 |
| 8420976 | 95 | 102 | 99 |
| 8420977 | 98 | 103 | 98 |
| 8420978 | 96 | 100 | 99 |
| 8420979 | 97 | 103 | 98 |
| 8420980 | 97 | 102 | 99 |
| 8420981 | 97 | 104 | 99 |

*- Outside of specification

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Quality Control SummaryClient Name: Kleinfelder
Reported: 06/22/2016 13:59

Group Number: 1670862

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

| | Dibromofluoromethane | 1,2-Dichloroethane-d4 | Toluene-d8 | 4-Bromofluorobenzene |
|---------|----------------------|-----------------------|------------|----------------------|
| 8420982 | 97 | 103 | 100 | 93 |
| 8420983 | 97 | 103 | 99 | 93 |
| 8420984 | 95 | 100 | 100 | 95 |
| 8420985 | 96 | 101 | 99 | 92 |
| Blank | 96 | 100 | 99 | 94 |
| LCS | 98 | 103 | 100 | 97 |
| LCSD | 97 | 103 | 101 | 97 |
| Limits: | 80-116 | 77-113 | 80-113 | 78-113 |

Analysis Name: TPH-DRO water C10-C28
Batch number: 161630005A

Orthoterphenyl

| | |
|---------|-----|
| 8420975 | 24* |
| 8420984 | 116 |
| Blank | 108 |
| LCS | 101 |
| LCSD | 104 |

Limits: 42-160

Analysis Name: TPH-DRO water C10-C28
Batch number: 161690006A

Orthoterphenyl

| | |
|---------|----|
| 8420976 | 45 |
| 8420977 | 80 |
| 8420978 | 55 |
| 8420979 | 80 |
| 8420980 | 94 |
| 8420981 | 59 |
| 8420982 | 62 |
| 8420983 | 98 |
| 8420985 | 95 |
| Blank | 92 |
| LCS | 83 |
| LCSD | 91 |

Limits: 42-160

*- Outside of specification

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.



Analysis Request/Environmental Services Chain of Custody

For Lancaster Laboratories use only Acct # 12152
 Group #: 64120975-85 Sample #: 1670662

| Client: Southside Oil | Acct. #: | Matrix | | | Analyses Requested | | | For Lab Use Only | | | | | |
|---|----------------------|----------------|---|-----------|--------------------|-------------------------------------|--------------------|-----------------------|---|---|---------------------------------|---------------------|------------------|
| Project Name/#: 20025 - Perryville | PWSID #: | | | | Potable | NPDES | Preservation Codes | | | FSC: | | | |
| Project Manager: Mark C. Steele | P.O. #: 51141-305139 | | | | H | H | H | | | | | | |
| Sampler: | Quote #: | | | | | | | SCR#: | | | | | |
| Name of State where samples were collected: Maryland | | | | | | | | | Preservation Codes H=HCl T=Thiosulfate N=HNO3 B=NaOH S=H2SO4 O=Other | | | | |
| Sample Identification | Date Collected | Time Collected | Grab | Composite | Soil | Water | Other | Total # of Containers | Remarks | Temperature of samples upon receipt (if requested) | | | |
| MW-2 | 6/9/16 | 1100 | X | | | X | | | X X X | | | | |
| MW-4 | 6/9/16 | 1345 | X | | | X | | | X X X | | | | |
| MW-5 | 6/9/16 | 1120 | X | | | X | | | X X X | | | | |
| MW-6 | 6/9/16 | 1210 | X | | | X | | | X X X | | | | |
| MW-8 | | | X | | | X | | | X X X | NOT SAMPLED SP | | | |
| MW-10D | 6/9/16 | 1230 | X | | | X | | | X X X | | | | |
| MW-12 | 6/9/16 | 0830 | X | | | X | | | X X X | | | | |
| MW-13 | 6/9/16 | 0950 | X | | | X | | | X X X | | | | |
| MW-14 | 6/9/16 | 0930 | X | | | X | | | X X X | | | | |
| TF-1 | 6/9/16 | 1320 | X | | | X | | | X X X | | | | |
| TF-2 | 6/9/16 | 1300 | X | | | X | | | X X X | | | | |
| TF-3 | | | X | | | X | | | X X X | NOT SAMPLED SP | | | |
| Turnaround Time Requested (TAT) (please circle): Normal Rush | | | | | | Relinquished by: <u>Sean Dorell</u> | | | Date <u>6/9/16</u> | Time <u>1700</u> | Received by: <u>Cooler Room</u> | Date <u>6/9/16</u> | Time <u>1700</u> |
| (Rush TAT is subject to Lancaster Laboratories approval and surcharge.) | | | | | | Relinquished by: <u>V. Wilke</u> | | | Date <u>6/10/16</u> | Time <u>1226</u> | Received by: <u>✓</u> | Date <u>6/10/16</u> | Time <u>1226</u> |
| Date results are needed: | | | | | | Relinquished by: <u>✓</u> | | | Date <u>6/10/16</u> | Time <u>1635</u> | Received by: <u>✓</u> | Date <u>6/10/16</u> | Time <u>1635</u> |
| Rush results requested by (please circle): Phone Fax E-mail | | | | | | Relinquished by: <u>✓</u> | | | Date <u>6/10/16</u> | Time <u>1635</u> | Received by: <u>✓</u> | Date <u>6/10/16</u> | Time <u>1635</u> |
| Phone #: _____ Fax #: _____ | | | | | | Relinquished by: <u>✓</u> | | | Date <u>6/10/16</u> | Time <u>1635</u> | Received by: <u>✓</u> | Date <u>6/10/16</u> | Time <u>1635</u> |
| E-mail address: _____ | | | | | | Relinquished by: <u>✓</u> | | | Date <u>6/10/16</u> | Time <u>1635</u> | Received by: <u>✓</u> | Date <u>6/10/16</u> | Time <u>1635</u> |
| Data Package Options (please circle if required) | | | SDG Complete? | | | Relinquished by: <u>✓</u> | | | Date <u>6/10/16</u> | Time <u>1635</u> | Received by: <u>✓</u> | Date <u>6/10/16</u> | Time <u>1635</u> |
| Type I (validation/NJ reg) | TX-TRRP-13 | | Yes No | | | Relinquished by: <u>✓</u> | | | Date <u>6/10/16</u> | Time <u>1635</u> | Received by: <u>✓</u> | Date <u>6/10/16</u> | Time <u>1635</u> |
| Type II (Tier II) | MA MCP | CT RCP | | | | Relinquished by: <u>✓</u> | | | Date <u>6/10/16</u> | Time <u>1635</u> | Received by: <u>✓</u> | Date <u>6/10/16</u> | Time <u>1635</u> |
| Type III (Reduced NJ) | | | State-specific QC (MS/MSD/Dup)? Yes No | | | Relinquished by: <u>✓</u> | | | Date <u>6/10/16</u> | Time <u>1635</u> | Received by: <u>✓</u> | Date <u>6/10/16</u> | Time <u>1635</u> |
| Type IV (CLP SOW) | | | (If yes, indicate QC sample and submit triplecate volume) | | | Relinquished by: <u>✓</u> | | | Date <u>6/10/16</u> | Time <u>1635</u> | Received by: <u>✓</u> | Date <u>6/10/16</u> | Time <u>1635</u> |
| Type VI (Raw Data Only) | | | Internal COC required? Yes No | | | Relinquished by: <u>✓</u> | | | Date <u>6/10/16</u> | Time <u>1635</u> | Received by: <u>✓</u> | Date <u>6/10/16</u> | Time <u>1635</u> |

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Copies: White and yellow should accompany samples to Lancaster Laboratories. The pink copy should be retained by the client



Analysis Request/Environmental Services Chain of Custody

For Lancaster Laboratories use only Acct. #: 12152
 Group #: 6420975-85
1670862

| Client: Southside Oil | | | Acct. #: _____ | | | Matrix | | Analyses Requested | | | | For Lab Use Only | |
|--|--|--|---|----------------|------|------------------|---------|--------------------|--------------------|-----------------------|--------------------|------------------|--|
| Project Name/#: 20025 - Perryville | | | PWSID #: _____ | | | Soil | Potable | NPDES | Preservation Codes | | | | FSC: |
| Project Manager: Mark C. Steele | | | P.O. #: 51141-305139 | | | | | | | | | | SCR#: |
| Sampler: Sean Powell | | | Quote #: _____ | | | Water | | | | | Preservation Codes | | |
| Name of State where samples were collected: Maryland | | | | | | | | | | | | | H=HCl T=Thiosulfate N=HNO3 B=NaOH S=H ₂ SO ₄ O=Other |
| Sample Identification | | | Date Collected | Time Collected | Grab | Composite | Soil | Water | Other | Total # of Containers | Remarks | | Temperature of samples upon receipt (If requested) |
| BR-1 | | | 6/9/16 | 1030 | X | | X | | | X X X | | | |
| | | | | | | | | | | | | | |
| Turnaround Time Requested (TAT) (please circle): Normal <input checked="" type="radio"/> Rush <input type="radio"/> (Rush TAT is subject to Lancaster Laboratories approval and surcharge.) | | | | | | Relinquished by: | | Date | Time | Received by: | Date | Time | |
| | | | | | | Sean Powell | | 6/9/16 | 1700 | Cooler Farm | 6/9/16 | 1700 | |
| Date results are needed: _____ | | | | | | Relinquished by: | | Date | Time | Received by: | Date | Time | |
| | | | | | | V. Wells | | 6/10/16 | 1700 | CLL | 6/10/16 | 1530 | |
| Rush results requested by (please circle): Phone <input type="radio"/> Fax <input type="radio"/> E-mail <input type="radio"/> | | | | | | Relinquished by: | | Date | Time | Received by: | Date | Time | |
| Phone #: _____ Fax #: _____ | | | | | | 6/10/16 | | 1635 | | | | | |
| E-mail address: _____ | | | | | | Relinquished by: | | Date | Time | Received by: | Date | Time | |
| Data Package Options (please circle if required) | | | | | | SDG Complete? | | Date | Time | Received by: | Date | Time | |
| Type I (validation/NJ reg) TX-TRRP-13 | | | Yes <input type="radio"/> No <input checked="" type="radio"/> | | | | | | | | | | |
| Type II (Tier II) MA MCP CT RCP | | | | | | Relinquished by: | | Date | Time | Received by: | Date | Time | |
| Type III (Reduced NJ) | | | State-specific QC (MS/MSD/Dup)? Yes <input type="radio"/> No <input checked="" type="radio"/> | | | Relinquished by: | | Date | Time | Received by: | Date | Time | |
| Type IV (CLP SOW) | | | (If yes, indicated QC sample and submit triplecate volume) | | | Relinquished by: | | Date | Time | Received by: | Date | Time | |
| Type VI (Raw Data Only) | | | Internal COC required? Yes <input type="radio"/> No <input checked="" type="radio"/> | | | Relinquished by: | | 6/10/16 | 1635 | E. Smith | 6/10/16 | 1635 | |

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Copies: White and yellow should accompany samples to Lancaster Laboratories. The pink copy should be retained by the client

Client: Kleinfelder**Delivery and Receipt Information**

Delivery Method: ELLE Courier Arrival Timestamp: 06/10/2016 16:35
 Number of Packages: 1 Number of Projects: 1
 State/Province of Origin: MD

Arrival Condition Summary

| | | | |
|--------------------------------------|-----|-------------------------------------|-----|
| Shipping Container Sealed: | No | Sample IDs on COC match Containers: | Yes |
| Custody Seal Present: | No | Sample Date/Times match COC: | Yes |
| Samples Chilled: | Yes | VOA Vial Headspace ≥ 6mm: | No |
| Paperwork Enclosed: | Yes | Total Trip Blank Qty: | 0 |
| Samples Intact: | Yes | Air Quality Samples Present: | No |
| Missing Samples: | No | | |
| Extra Samples: | No | | |
| Discrepancy in Container Qty on COC: | No | | |

Unpacked by Melvin Sanchez (8943) at 18:16 on 06/10/2016

Samples Chilled Details

Thermometer Types: DT = Digital (Temp. Bottle) IR = Infrared (Surface Temp) All Temperatures in °C.

| Cooler # | Thermometer ID | Corrected Temp | Therm. Type | Ice Type | Ice Present? | Ice Container | Elevated Temp? |
|----------|----------------|----------------|-------------|----------|--------------|---------------|----------------|
| 1 | DT146 | 2.3 | DT | Wet | Y | Bagged | N |

Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

| | | | |
|-------------------------|--|-----------------|----------------------------------|
| RL | Reporting Limit | BMQL | Below Minimum Quantitation Level |
| N.D. | none detected | MPN | Most Probable Number |
| TNTC | Too Numerous To Count | CP Units | cobalt-chloroplatinate units |
| IU | International Units | NTU | nephelometric turbidity units |
| umhos/cm | micromhos/cm | ng | nanogram(s) |
| C | degrees Celsius | F | degrees Fahrenheit |
| meq | milliequivalents | lb. | pound(s) |
| g | gram(s) | kg | kilogram(s) |
| µg | microgram(s) | mg | milligram(s) |
| mL | milliliter(s) | L | liter(s) |
| m3 | cubic meter(s) | µL | microliter(s) |
| | | pg/L | picogram/liter |
| < | less than | | |
| > | greater than | | |
| ppm | parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg) or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter per liter of gas. | | |
| ppb | parts per billion | | |
| Dry weight basis | Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis. | | |

Laboratory Data Qualifiers:

- B - Analyte detected in the blank
- C - Result confirmed by reanalysis
- E - Concentration exceeds the calibration range
- J (or G, I, X) - estimated value \geq the Method Detection Limit (MDL or DL) and < the Limit of Quantitation (LOQ or RL)
- P - Concentration difference between the primary and confirmation column >40%. The lower result is reported.
- U - Analyte was not detected at the value indicated
- V - Concentration difference between the primary and confirmation column >100%. The reporting limit is raised due to this disparity and evident interference...

Additional Organic and Inorganic CLP qualifiers may be used with Form 1 reports as defined by the CLP methods. Qualifiers specific to Dioxin/Furans and PCB Congeners are detailed on the individual Analysis Report.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff.

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Times are local to the area of activity. Parameters listed in the 40 CFR Part 136 Table II as "analyze immediately" are not performed within 15 minutes.

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